Regional Geologist, Cranbrook **Date Approved:** 2005.04.06 **Off Confidential:** 2005.09.17

**ASSESSMENT REPORT:** 27576 **Mining Division(s):** Slocan

**Property Name:** Willa

**Location:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **NAD 27** | **Latitude:** | 49 53 00 | **Longitude:** | 117 22 04 | **UTM:** | 11 | 5525505 473578 |
| **NAD 83** | **Latitude:** | 49 53 00 | **Longitude:** | 117 22 08 | **UTM:** | 11 | 5525725 473499 |
| **NTS:** | 082F14W | | | | | | |
| **BCGS:** | 082F084 | | | | | | |

**Camp:** 006 Slocan Camp

**Claim(s):** Rush 1

**Operator(s):** Bethlehem Resources (1996) Corporation
**Author(s):** Gilmour, William R.

**Report Year:** 2004

**No. of Pages:** 405 Pages

**Commodities Searched For:** Gold, Copper, Silver

**General Work Categories:** GEOC, DRIL

**Work Done:**
Drilling
UNDD Diamond underground (39 hole(s);B-10) (5282.8 m) No. of maps : 29 ; Scale(s) : 1:1000, 1:250
Geochemical
SAMP Sampling/assaying (2795 sample(s);) No. of maps : 27 ; Scale(s) : 1:250
Elements Analyzed For : Multielement

**Keywords:** Jurassic, Rossland Group, Roof pendants, Agglomerates, Conglomerates, Breccias

**Statement Nos.:** 3217115

**MINFILE Nos.:** 082FNW071

**Related Reports:** 01185, 07853, 08759, 09796, 10927, 13382, 15726

# Underground Drilling Assessment Report

# on the

# Willa Deposit

# Rush 1 Mineral Claim

# Willa Property

# Aylwin Creek

# Silverton Area

# Slocan Mining Division

# British Columbia



BCGS Maps: 082F083, 084, 094
Latitude: 49° 53' 00'' North
Longitude: 117° 22' 04" West
Owner: Bethlehem Resources (1996) Corporation
Consultants: Discovery Consultants
Author: W.R. Gilmour, P.Geo
December 17, 2004

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NB: Scale for all DDH Sections, except as noted, is 1: 250

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## SUMMARY

*The Willa property is located in the steeply incised Aylwin Creek valley of southeastern British Columbia, south of Silverton and east of Slocan Lake. The Willa Au-Cu-Ag deposit underlies the Rush 1 claim on BC Geographic System map 082F084.*

*Good access to the property is available by road from Castlegar, Nelson, Revelstoke or Vernon. The 1025 Level portal is accessed to the east of Highway 6, 12 km south of New Denver, via gravel and 4-wheel drive roads for 1.4 km.*

*The property comprises 100 claim units and one mineral lease. The title is 100 % held by Bethlehem Resources (1996) Corporation, a wholly owned subsidiary of Orphan Boy Resources Inc. The ownership is subject to some underlying royalty agreements.*

*Northair Mines Ltd. completed 2,455 m of underground workings in the 1980s. These were refurbished in 2004 to facilitate the underground drill programme.*

*The deposit is within a roof pendant of Lower Jurassic Rossland Group basic volcanic and volcaniclastic rocks, and intruded by felsic dykes. The host rock is a heterolithic breccia. The 2004 underground drill programme comprised 39 drill holes totalling 5,282 m and costing $ 940,000.*

*The 2004 underground drilling programme was designed to cover six areas adjoining known areas of Au-Cu-Ag mineralization that had either not been drilled or were under drilled. Specific drill holes were determined from a three-dimensional computer model of all known drilling.*

*The 2004 drilling in the peripheral areas of the Willa deposit was not successful in locating significant new zones of potentially economic Au-Cu-Ag mineralization. Drilling along the west edge of the West Zone better defined the boundaries of the zone.*

*A Au-Cu-Ag mineralized shell was identified. On a deposit scale, Au-Cu-Ag mineralization of economic interest seems to be enclosed within this mineralized shell. Any Au-Cu-Ag resource will be based on assay boundaries, not geological contacts.*

*In property exploration, the presence of the low-grade mineralized shell may indicate proximity to higher grade Willa-style mineralization.*

*Heterolithic breccia is the main host to the mineralized shell, but the shell boundaries are not strictly controlled by geology.*

*All aspects of quality control and quality assurance were monitored. The collection and security of core samples, the core recovery, the sample preparation procedures, the precision of the analytical results, the reproducibility of check samples, and the reproducibility of standards were all satisfactory.*

*The precision of results is excellent. This is most likely due to the fine grained nature of the gold and demonstrates that bulk sampling is not needed to assist in resource calculations.*

*It is recommended that the data collected during the 2004 drill programme be added to the historical data to direct further exploration and to produce a resource estimate.*

*Specific decisions on further work will be dependent upon reviewing the data in a three-dimensional computer model.*

# INTRODUCTION

This drilling assessment report has been prepared by Discovery Consultants at the request of J.A. Chapman, P.Eng., of Bethlehem Resources (1996) Corporation. This report fulfills the obligations for the Statement of Work (Event No. 3217115) filed on September 17, 2004, covering the period January 1 to September 17, 2004, and totaling $891,000.

The purpose of the underground programme was to drill recommended areas of the Willa Au-Cu-Ag deposit (Makepeace, 2003) to test for possible extensions of gold-copper-silver mineralization. The scope of this report is to present the analytical and geological results from the drilling. It is recommended that the data collected be added to the historical data to direct further exploration and to produce a resource estimate.

Discovery Consultants assisted S.L. Phillips in the management of the underground drilling. Discovery Consultants was responsible for the layout of drill holes, the geological and the geotechnical logging of the core, and the quality control aspects of the drill programme.

# PROPERTY DESCRIPTION

## Location

The Willa property is located in the steeply incised Aylwin Creek Valley of southeastern British Columbia, south of Silverton and east of Slocan Lake (Figures 1 and 2). The property is mainly located in the northwest portion of BC Geographic System map 082F084, with some of the claims in the northeast of 082F083 and the southwest of 082F094. This area corresponds to NTS map sheet 082F14W.

The portal to the 1025 Level underground working of the Willa deposit is at 5526270 north and 473400 east, NAD 83 UTM. From the portal, Slocan Lake is about 2 km west and Highway 6 about 700 m west.

## Access

The property is located approximately 7.5 km south of Silverton and 12 km south of New Denver, along Highway 6. The nearest airport is at Castlegar, 86 km to the south via Highways 6 and 3A. Nelson is 88 km to the south via Highway 6. Access to Vernon, in the Okanagan Valley, is 254 km west via Highway 6 and the Needles ferry. Revelstoke, on Highway 1, is 162 km north via Highways 6 and 23 and the Galena Bay ferry.

Access to the 1025 portal from Highway 6 is gained by turning north-eastward along the all-weather gravel Red Mountain Road for 650 m, then southerly via a four-wheel drive road for 750 m (Figure 2).

## Physiography

The following description is adapted from Makepeace (2003).

> The Willa property is in forested, rugged terrain with elevations ranging from 550 metres at Slocan Lake to 2415 metres along the ridge separating Aylwin and Congo Creeks. Slopes are frequently greater than 35°. At low elevations the undergrowth can be quite thick with devil's club, stinging nettles and slide alder. The predominant deciduous trees are poplar and birch and commonly occur at lower elevations. The main portion of the property is treed by western hemlock, western red cedar, Douglas fir and larch. At the higher elevations, the forest grades into Engelmann spruce and alpine fir, and then into alpine meadows and windswept ridges (Heather, 1985).
>
> The climate consists of cool winters and warm summers. A maximum temperature range of between –34° and +40° C (Heather, 1985) has been recorded


| DISCOVERY Consultants | Bethlehem Resources (1996) Corp. |
|---|---|
| Willa Property | LOCATION MAP |

| Date: | Dec.17/2004 | Project: | 687 | Scale: | as shown | N.T.S.: | B.C. | Mining Div: | Slocan | Figure: | 1 |
|---|---|---|---|---|---|---|---|---|---|---|---|

but in many years the range is –5° and +30°. The annual precipitation can be quite high (1205 mm/year, Heather, 1985).

## Claims

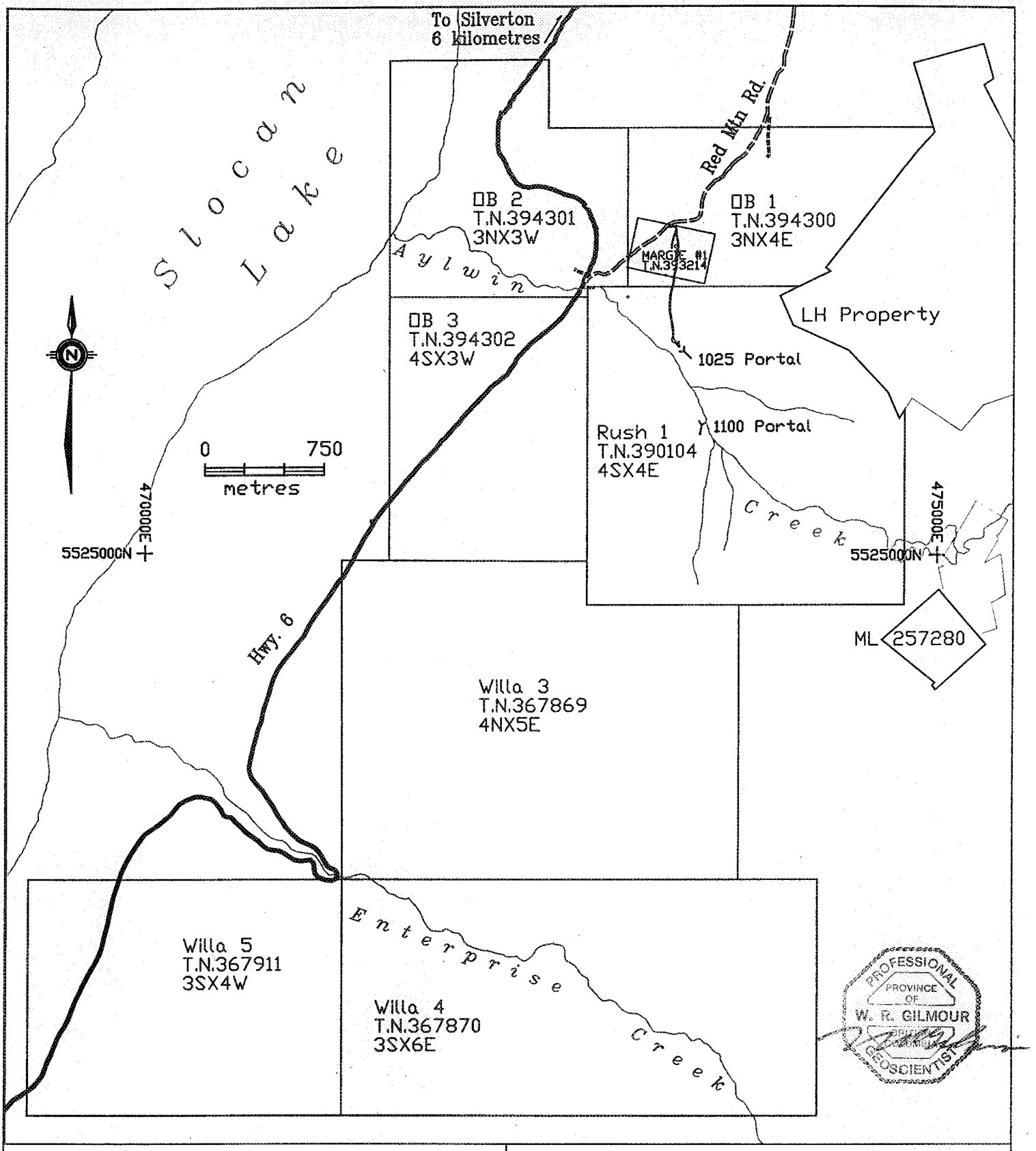
The property is 100 % owned by Bethlehem Resources (1996) Corporation, a wholly owned subsidiary of Orphan Boy Resources Inc. The ownership is subject to some underlying royalty agreements.

The property comprises one two-post claim (Margie #1), one Mineral Lease (Mt. Scenery) and seven four-post claims (Figure 2). The staked claims total 100 claim units. At the time of this report, the Margie # 1 and the Rush 1 claims are being surveyed for mineral leases.

The following table lists the claims and the expiry dates, subject to the approval of this assessment report.

**Table 1 - Claim Information**

| Claim Name | Tenure Number | No. of Units | Expiry Date |
|---|---|---|---|
| Willa 3 | 367869 | 20 | 2014.09.29 |
| Willa 4 | 367870 | 18 | 2014.09.29 |
| Willa 5 | 367911 | 12 | 2014.09.29 |
| Rush 1 | 390104 | 16 | 2006.09.29 |
| Margie #1 | 393214 | 1 | 2007.05.03 |
| OB 1 | 394300 | 12 | 2014.09.29 |
| OB 2 | 394301 | 9 | 2014.09.29 |
| OB 3 | 394302 | 12 | 2014.09.29 |




DISCOVERY Consultants

Bethlehem Resources (1996) Corp.

# Willa Property

# Claim Location Map

| Date: | Dec.17/2004 | Project: | 687 | Scale: | as shown | N.T.S.: | 082F.084 | Mining Div: | Slocan | Figure: | 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|

## HISTORY

The following is taken from Makepeace (2003):

> The property has been explored off and on since 1893. However, the majority of the work to develop the property has occurred only more recently. In the mid-1960s Cominco, Amax Exploration and Western Mining Company identified possible economic copper and molybdenum mineralization. During the early 1980s the Willa property was explored on surface by a joint venture between Rio Algom Exploration Inc. and BP Minerals Ltd.
>
> In April 1985, Northair Mines Limited joined the joint venture. They completed the present underground workings.
>
> Treminco Resources Ltd. optioned the property in 1990. Exploration work consisted of re-sampling and re-mapping portions of the 1100 and 1025 Level drifts, and some environmental and pre-feasibility studies and designs were completed.
>
> A brief summary of the history follows:
>
> **1893** - 3 adits driven by prospectors: Willa No.1 - 80 metres, Willa No.2 - 10 metres, Rockland - 70 metres.
>
> **1899** - Crown-granted claim known as the Rockland owned by Willow Gold Mining Co. produced 300 tons in 1899.
>
> **1900** - Rockland claim was then owned by W. Spinks, Graves and Watson. They completed 91 metres of drift in three adits (one on the north side and 2 on the south side of Aylwin Creek).
>
> **1901** - Granby Consolidated inspected the property and chip sampled the Willa #1, #2 and Rockland adits.
>
> **1912** - Granby Consolidated inspected the property and again turned it down (low grade).
>
> **1930s** - claims were transferred to W. J. Nicholls.
>
> **1936** - optioned to Slocan Lake Gold Mining Company Inc. They completed another 32 metres of drifting and 3.6 metres of raising.
>
> **1955** - Egil Lorntzsen sampled the Rockland adit and found only trace gold.

**1964** - the Rockland and adjoining claims (17 Crown-granted claims) were purchased by Northlode Exploration Ltd. from D.H. Hawkings with S.A. Millican's recommendations.

**1964 - 1965** - Cominco optioned the property and completed 4 diamond drill holes. Minor copper and gold mineralization was found.

**1964 - 1967** - D.H. Hawkings property was optioned to Rockland Mining Ltd. They carried out a small surface diamond drilling programme near the mineralized occurrences.

**1967 - 1969** - Amax Exploration completed trenching and geochemical sampling of the surface. Gold-silver-copper and copper-molybdenum anomalies (1968) were discovered leading to a surface diamond drill programme. Good mineralization was intersected.

**1970** - Western Mining Company and Amax Mining Company completed a joint venture on the claims. An underground diamond drilling programme for $MoS_2$ was completed using some of the old workings as setups.

**1971 - 1975** - Crown-granted claims lapse.

**1978 - 1979** - Pete Leontowicz and Bill Wingert acquired the property.

**1979** - Rio Algom optioned the property and staked more claims. BP Minerals Ltd. staked the adjoining properties. Lithogeochemistry survey started.

**1980 - 1984** - the Aylwin Joint Venture (Riocanex Inc. 50%, BP Canada 50%) explored the property with geochemical survey and drilling.

**1981** - Hudson Bay Oil and Gas completed a geochemical survey on the LH Property.

**1984** - BP Canada had acquired 72 % interest in the property.

**1985** - Northair Mines Ltd. optioned the property for 50 % ownership (BP Canada 36%, Riocanex 14%).

**1986 - 1987** - Northair drove the 1025 Level drift and the associated crosscuts.

**1987** - Northair completed the declines and the intermediate 1013 Drift.
- The 1025 Level drifts and crosscuts were extended.
- The 1100 Level and the 1100 Raise were completed.
- Rib, face and muck sampling programme was completed.
- Transport of Brandywine Mill to the Willa started.
- Environmental baseline studies started.

**1988** - Northair started the Environmental Assessment process, but met with considerable local opposition. Northair stopped all exploration and underground development.

**1990** - Treminco Mining Ltd. optioned the property and studied the deposit but did no development work or diamond drilling.

**2002** - Orphan Boy Resources Inc., by way of an Option to Purchase Agreement, acquired the property.

**2004** – Orphan Boy Resources Inc. transferred title to Bethlehem Resources (1996) Corporation, a wholly-owned subsidiary of Bethlehem.

Over 50,000 metres of drilling were completed on the Willa prospect between 1965 and 1988 from 556 drill holes. Unfortunately, due to improper core storage, there is no way to identify the core that remains.

The MINFILE number for the Willa deposit is 082FNW071.

# GEOLOGY AND MINERALIZATION

The following description is from Makepeace (2003):

## Regional Geology

The Willa deposit is situated in the southern portion of the Selkirk Mountains within the Omineca Crystalline Belt.

The deposit is within a roof pendant composed of basic volcanic and volcaniclastic rocks, which was intruded by felsic dykes. The volcanics have been correlated to the Lower Jurassic Rossland Group. The pendant is enclosed and intruded by the Middle Jurassic Nelson batholith which is predominantly composed of coarse-grained granodiorite to quartz monzonite. Immediately to the north of the pendant is the Upper Triassic Slocan Group metasedimentary sequence of rocks that contains numerous silver-lead-zinc deposits. Structurally adjacent to the west of the Rossland Group is the Precambrian Valhalla Gneissic Complex, which is a highly metamorphosed terrane of remobilized granites and granitic gneisses.

The Slocan Lake Fault is the major structure in the area. This north-trending fault has a dip of 35° to 40° to the east and is of Eocene age.

Generally, the roof pendant rocks have been weakly metamorphosed to lower greenschist facies.

## Property Geology and Structure

The property geology has been described in great detail by Heather (1985) and Wong and Spence (1995):

The lithologic units are illustrated in the table below with corresponding rock codes. The present digital geological database has maintained the lithology and the code numbers with the exception of white feldspar porphyry (5) and the hornblende feldspar porphyry (3). These units have been reclassified as feldspar porphyry (4) due to their similarity to feldspar porphyry. The digital database also includes a rock code for faults/shears and gouge (9) and overburden (10).

**Table 2 - Willa Rock Classification**

| Age | Description | | Code |
|---|---|---|---|
| | Lamprophyre Dykes | | 8 |
| Middle Jurassic | Nelson Granite | | 7 |
| Lower Jurassic | Heterolithic Breccia | | 6 |
| | Feldspar Porphyry | White Feldspar Porphyry | 5 |
| | | Feldspar Porphyry | 4 |
| | | Hornblende Feldspar Porphyry | 3 |
| | Quartz Latite Porphyry | | 2 |
| | Rossland Group Volcanics | Pyroclastics | 1 |
| | | Augite Porphyry | |
| | | Volcanic Siltstone | |
| | | Biotite Schists | |

Source: Heather, 1985

The Rossland Group volcanics are the oldest rocks on the property and make up approximately 75% of the roof pendant. The rocks in this group range from volcanic siltstone and tuff to coarse breccias and flows. The metavolcanic roof pendant is cut by two felsic porphyritic intrusions. The first intrusion is a quartz latite porphyry ring-dyke and two radial dykes that have a central core of feldspar porphyry and a crosscutting breccia pipe. The second intrusive consists of two sub-parallel igneous bodies consisting of white feldspar porphyry and hornblende feldspar porphyry. A heterolithic breccia intrudes the previous intrusions and volcanics. Lamprophyre dykes and faults crosscut and sometimes displace the previous lithologies.

**Rossland Group Volcanics**

Fragmental pyroclastic rocks make up roughly 70 % of the Rossland Group volcanics. They range from volcanic agglomerates and conglomerates to fine-grained crystal and lithic tuffs (Heather, 1985).

Augite porphyry sills or flows are present around the known Willa mineralization. The unit ranges from dark green to black-green and yellow-green and is usually altered (iron-stained or bleached). The augite and plagioclase phenocrysts are euhedral to subhedral and range in size from 0.5 to 4.0 mm. The matrix is composed of augite, feldspars and biotite.

Volcanic siltstone (hornfels) is usually interbedded with the augite porphyry and makes up only a small portion of the Rossland Group volcanics. The siltstone varies from green (actinolite-quartz-plagioclase-orthoclase) to grey to pink (biotite- plagioclase-orthoclase).

Biotite schist is found predominantly to the south and southeast of the heterolithic breccia. This black schist has been found in core and in outcrops and is believed to be related to the augite porphyry unit.

**Quartz Latite Porphyry**

The quartz latite porphyry unit forms a ring and radial dyke complex within the Rossland Group volcanics. Its composition ranges from quartz monzonite to granodiorite with large phenocrysts of plagioclase. The ring dyke structure is elliptical in shape trending 050° with a 5-kilometre by 1-kilometre size. The radial dyke radiates both inward and outward from the ring structure. There is up to 7 % pyrite in the quartz latite porphyry and when it is exposed on surface, the blocky fractured outcrop has a limonitic stain.

**Feldspar Porphyry**

The feldspar porphyry intrusive stock is centred within the quartz latite porphyry. It has an elliptical shape that trends 000°. This unit has phenocrysts of plagioclase and quartz with minor pyrite, apatite, titanite and magnetite. Outcrops are oxidized with skins of limonite and manganese oxide.

The white feldspar porphyry intrusive has been identified in 2 elongated bodies 1 kilometre north of the quartz latite porphyry ring dyke. These highly altered units have large plagioclase and small quartz phenocrysts with minor pyrite and hornblende.

The hornblende feldspar porphyry forms small intrusive bodies and dykes within the quartz latite porphyry and the feldspar porphyry. The large plagioclase and small hornblende phenocrysts are within a groundmass of orthoclase and quartz.

**Heterolithic Breccia**

The heterolithic breccia lies within the core of the quartz latite porphyry ring dyke and is roughly cylindrical in shape. The cross section of this pipe is 350 metres (north-south) by 200 metres. The outer portions of the breccia pipe form a crackle breccia texture. All the above lithologies other than the white feldspar porphyry have been identified as angular to rounded fragments of the pipe. The fragments normally show propylitic or potassic alteration. The matrix of the pipe is altered iron-rich rock flour composed of plagioclase, quartz and orthoclase with minor actinolite and biotite.

**Nelson Granite**

The Nelson granite is composed of a variety of granitic rocks ranging from porphyritic granite, quartz monzonite, syenite to granodiorite. The batholith encircles the volcanic roof pendant and does not outcrop near the Willa deposit. Granitic pegmatite dykes have been intersected in some of the deep diamond drill holes but the main Nelson batholith has not been intersected.

### Lamprophyre Dykes

Mafic intrusive lithologies referred to as lamprophyre dykes are intersected in many drill holes within the intrusive complex. They normally trend north-south, are steeply dipping and are usually less than one meter thick. These dark green to black dykes are composed of plagioclase and/or pyroxene and biotite and contain varying amounts of orthoclase, quartz, amphibole, chlorite and olivine with minor apatite, titanite, zircon and magnetite.

### Structure

There are several types of faults, which have been thought to localize the gold-copper-silver mineralization (Petersen, 1988). 'Paleo-faults' are north striking, vertically dipping faults that have been active throughout the mineral emplacement. They are thought to control the lamprophyre dykes. 'Flat faults' strike easterly and dip 15° to the north and may have reacted with the 'Paleo-faults' to create vertical conduits for the mineral emplacement. 'Dislocation faults' strike northeast and dip 45° SE to vertical. They offset the 'Paleo-faults'. The 'Willa Fault', which has a strike of 040° and dips vertically, has no apparent offset. Contact faults follow the contact of the heterolithic breccia and probably serve as conduits for gold-copper-silver mineralization, but are narrow.

## Alteration

Alteration around the Willa property has been described in detail by R.H. Wong and C.D. Spence in "Copper-gold mineralization in the Willa breccia pipe, southeastern British Columbia", 1995:

> Hydrothermal alteration evident in the area of the Willa Deposit is a consequence of three discrete, but successive intrusive events and two major episodes of mineralization. Overlap and over-printing of the various alteration assemblages has resulted in a complex zonation. The two earliest alteration assemblages, associated with molybdenum mineralization, consist of biotite-pyrite and quartz-pyrite-molybdenite. These are spatially associated with quartz latite porphyry. Following this and associated with intrusion of feldspar porphyry is a potassic assemblage of K-feldspar/biotite accompanied by up to 5% disseminated pyrite. Emplacement of heterolithic breccia was closely followed by pervasive calcium metasomatism resulting in a prograde calc-silicate alteration assemblage. It is believed that most, if not all, of the gold-copper-silver mineralization accompanied this alteration. Retrograde alteration of this calc-silicate assemblage resulted in the formation of and over-printing by minerals such as epidote, actinolite, gypsum, quartz, calcite, and zeolites. Emplacement of the Nelson batholith produced only minor propylitic effects in the Willa area.

### Biotite-Pyrite Assemblage

Fine- to medium-grained black biotite accompanied by 2% to 5% disseminated and fracture-filling pyrite is locally preserved within mafic volcanic rocks adjacent to quartz latite porphyry. While more probably a product of contact metasomatism related to intrusion rather than a true hydrothermal alteration, it remains a recognizable assemblage where it is not over-printed by later hydrothermal events. The biotite also occurs as felted masses predominantly pseudomorphic after augite and may comprise up to 50% of the rock. Ubiquitous pyrite associated with this assemblage contributes to the large pyritic halo, which encloses the overall intrusive complex.

### Quartz-Pyrite-Molybdenite Assemblage

Quartz-pyrite-molybdenite stockwork veins, sheeted veins, and pervasive flooded zones occur mainly in quartz latite porphyry but are also found within volcanic rocks adjacent to the quartz latite porphyry contact. Alteration around individual veins is best developed in the quartz latite porphyry where quartz-sericite-pyrite envelopes pass outward into zones of albitized plagioclase. Where the veins cut biotite-pyrite altered volcanic rocks, wall rock alteration is minimal, probably due to the dense, impermeable nature of theses rocks.

### K-feldspar/Biotite Assemblage

A K-feldspar/biotite assemblage is spatially associated with the feldspar porphyry plug and locally is superimposed upon the first two alteration assemblages. Heather (1985) recognized a horizontal zonation within this assemblage with K-feldspar dominant in the centre of the plug and biotite more prominent on the periphery. K-feldspar dominant alteration is marked by partial to total replacement of groundmass and plagioclase phenocrysts to yield a hard, whitish-coloured rock with the original textures obscured. Biotite-dominant alteration is marked by the development of disseminated, fine-grained, purple biotite laths, which impart a distinct pinkish colouration to the rock. Biotite development is most intense near the margins of the feldspar porphyry in zones of monolithic breccia. In these zones, fine-grained biotite, albitized plagioclase, and pyrite form the matrix of the brecciated rock.

### Prograde Calc-Silicate Assemblage

Following development of the heterolithic breccia pipe, prograde calc-silicate alteration resulting from calcium metasomatism associated with the gold-copper-silver mineralization event resulted in replacement of the breccia matrix, and formation of veins and fracture-fillings in crackle-fractured clasts and peripheral crackle zones. The alteration assemblage consists of various combinations of the following materials listed in order of decreasing abundance: pyroxene, amphibole, epidote, garnet, plagioclase, K-feldspar, quartz, anhydrite, sphene, and calcite.

### Retrograde Alteration Assemblage

Retrograde alteration of earlier calc-silicate alteration minerals is widespread as crosscutting veinlets and replacements. Epidote is particularly prominent as an alteration product within the garnet-anhydrite and pyroxene zones. Veinlets of amphibole, pyroxene, calcite, and quartz are seen to cut all of the prograde assemblages. Fibrous clusters of zeolite locally replacing garnet and sparry gypsum replacing anhydrite are also considered to represent retrograde alteration as the hydrothermal system collapsed.

### Late-stage Veinlets

Veinlets consisting of varying proportions of calcite, chlorite, quartz, and gypsum are seen to crosscut all rock types, including Nelson plutonic rocks. They are especially common adjacent to late shear zones and may contain minor pyrite, hematite, or magnetite.

## Mineralization

The following description is from Makepeace (2003).

There are two types of mineralization at the Willa deposit. The first is a calc-alkali quartz-molybdenite stockwork and the second is the gold-copper-silver emplacement.

The quartz-molybdenite stockwork is weak but extensive in the quartz latite porphyry and volcanics north and west of the heterolithic breccia. Molybdenite occurs within the quartz and along the quartz vein boundaries. Due to the low grade of the molybdenum and the relatively small tonnage, this deposit is uneconomic to mine.

The gold-copper-silver mineralization is concentrated in three large zones (Main, West and East). The mineralization occurs in zones of weakness in fault zones and fault junctions. The mineralization is predominately chalcopyrite with varying amounts of pyrite and pyrrhotite. Propylitic alteration occurred during mineralization, as did zones of intense silicification and minor pyritization.

### West Zone

The West Zone is the best defined portion of the Willa Deposit. It has been exposed on the 1025 Level (1000 Crosscut, 950 South Drift, 950 North Drift, 950 Crosscut and the 1025 Raise). The majority of the known mineralization is centred around 1025 metres elevation and is the reason for the main 1025 Level portal location. It has a crude north-south strike and a vertical dip and is approximately 200 metres in depth. The zone is predominantly within the

heterolithic breccia. It has been documented that the mineralized zone is cut off to the north by the Willa fault and has been displaced to the south by crosscutting faults. Drill hole data seem to indicate that mineralization continues beyond these faults and into other lithologies. This is the only zone that has had a historic ore reserve estimate.

**Main Zone**

The Main Zone lies overtop and to the north of the other zones. It appears to have been offset at several locations along its crude north-south strike. This zone is exposed on surface by Aylwin Creek. The Willa No. 1 and Willa No. 2 Adits were collared in the Main Zone on either side of the creek. The exposed portion of the Main Zone is stained with limonite and chlorite. The zone is partially composed of heterolithic breccia as well as feldspar porphyry, quartz latite porphyry and Rossland Group volcanics. The offsets of the Main Zone can be subdivided into Main Zone and Upper Main Zone.

**East Zone**

The East Zone is presently the smallest of the three zones. This may be due only to the lack of drilling in this area. The majority of the zone is underneath the 1013 Decline, 1013 Level and 993 Decline. This zone is situated partially in heterolithic breccia and partially in Rossland Group volcanics. Further exploration is required to better define this zone.

## UNDERGROUND DRILL PROGRAMME

### Recommended Programme

The 2004 underground drilling programme was designed to cover six areas that had either not been drilled or were under drilled. These six areas (A through F on Figure 4) are adjoining known areas of Au-Cu-Ag mineralization.

The areas were defined by entering all the existing drill data into Surpac International Inc.'s Vision mining software package for three dimensional modeling. The computer modeled targets are described below and adapted from Makepeace (2003). Note that the following descriptions were written before the 2004 drilling.

#### Area A

This area is immediately south and along strike of the East Zone. There are several high-grade (> 3.5 g/t Au) blocks at the south end of the zone. Area A has not been drilled for the East Zone extension.

It is recommended that three widely spaced drill holes (approximately 450 metres total length) would be required to explore this area. The most appropriate drill station location would be in the 993 Decline. The alternative drill station would be at the end of the 1025 Level (950 South Drift) but this would require long holes to compensate for the more distant location. Further drilling would be required to delineate the East Zone extension if the drill holes were successful in intersecting mineralization.

#### Area B

Area B is immediately north and along strike of the East Zone. The 1013 Level was established as a drill station to explore this zone. Drill holes on the 1013 Level, North Crosscut were drilled to the south and intersected the zone. No vertical or north trending holes were ever drilled from this platform.

It is recommended that five drill holes be drilled in this area (approximately 600 metres total length). The 1013 Level, North Crosscut should be used as the drill station. Further drilling would be required to delineate the East Zone extension if the drill holes are successful in intersecting mineralization.

#### Area C

This area is northeast and along strike of the Main Zone. This area has not been drilled even though the 1100 Level, East Crosscut was driven to its boundary.

It is recommended that three drill holes be drilled in this area (approximately 300 metres total length). The 1100 Level East Crosscut should be used as the drill

station. Further drilling would be required to delineate the North Zone extension if the drill holes are successful in intersecting mineralization.

**Area D**

Area D is south and along strike of the West Zone. The past drilling from the end of the 1025 Level, 950 South Drift appears to have been short holes.

It is recommended that three drill holes be drilled in this area to explore a possible extension of this zone (approximately 600 metres total length). The original last drill station on 1025 Level, 950 South Drift could be used for these holes. If the drill holes were successful in intersecting mineralization, further drilling would be required. Depending on the location(s) of the intersections an extension of either the 1100 Level, South Drift and/or the 1025 Level, 950 South Drift would possibly be required to create drill station(s) better located to continue delineating the mineralization in this area.

**Area E**

This western area of the West Zone had a large volume of high-grade (> 3.5 g/t Au) blocks from one drill hole. It is recommended that two drill holes be drilled in this area to explore this high-grade (> 3.5 g/t Au) portion of the West Zone (approximately 250 metres total length). The west end of the 1025 Level, 950 Crosscut could be used as a drill station. Some additional drilling may be required to delineate this area if the drill holes are successful in intersecting mineralization.

**Area F**

From a detailed 3D examination of the Surpac block model and drill hole database, there are several drill intersection gaps and therefore possibly an absence of estimated blocks within the southern portion of the Main Zone. The gaps are:

- 5525570 N to 5525600 N
- 5525510 N to 5525540 N
- 5525440 N to 5525480 N

Each gap would require at least one drill hole to intersect that area. Unfortunately, due to the plunge of the Main Zone, only the first gap could be effectively reached with a 150-metre hole from the 1100 Level. All other gaps would require 250+ metre holes to achieve their targets. The alternative would be to use a surface drill to intersect all three gaps with three 100+ metre holes (approximately 400 metres). If the mineralization continues to the south further drilling would be necessary to delineate this extension of the Main Zone.

## Underground Refurbishment for Drilling

Drilling of the targets outlined above required refurbishing of the 1025 Level workings to provide safe access and ventilation for the drill crew and equipment.

Refurbishing of the 1025 Level portal and underground workings commenced on February 29, 2004 with the ploughing of snow from the access road. A site inspection of the surface and underground took place on March 1st with the contract shift boss and the electrical contractor in attendance. Construction of the electrical switchgear shack started off site the next day. Site work started on March 8th with unloading of a one and a half ton electric locomotive and flatcar. Portal door repairs, track clearing, hand mucking and timbering of a fault zone area took place in March. A diesel powered generator arrived on April 2nd, complete with environmental fuel tank. The electrical system, that included electrical panels, dewatering-supply pump and ventilation fans was installed and tested by April 15th.

The 1100 Level portal was partially dug out in May to improve the ventilation of the 1025 Level by allowing more air to flow through the vent raise between the two levels and the portals.

Initially, drilling was planned on both the 1025 Level and the 1100 Level. However it was deemed more cost effective to re-configure several holes and drill them from the 1025 Level than to refurbish the 1100 Level portal; therefore, all drilling in the 2004 programme was conducted from the 1025 Level, or lower levels via the 1025 Level portal and decline.

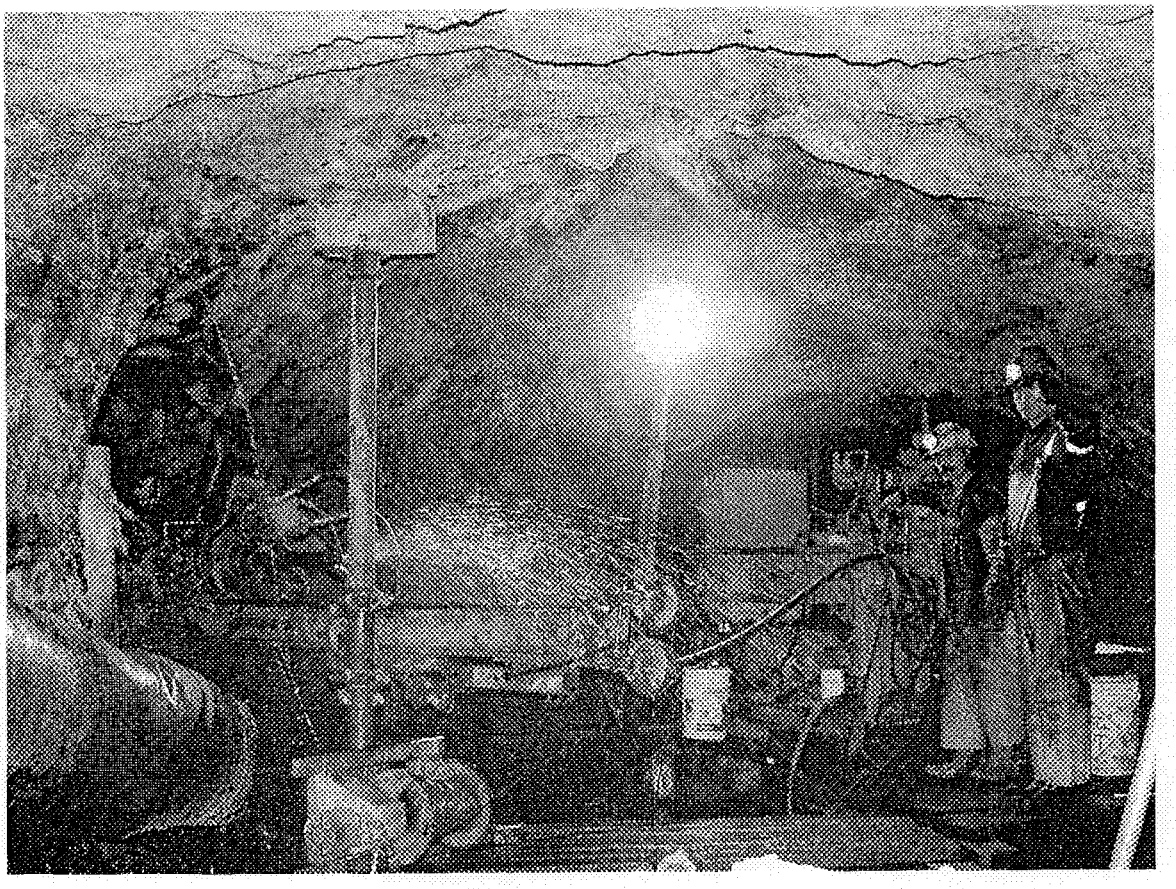
## 2004 Drill Programme

The drill contract was awarded to Advanced Drilling of Surrey, BC. Two different drills were used during the programme, either a B-10 for the shorter holes or a Mini Myte for longer holes. Both drills were electric-hydraulic powered and designed for underground operation. A diesel generator located outside the 1025 Level portal supplied power to the drills and underground equipment.

Drill collars were surveyed and marked with foresights and backsights prior to drilling. The holes were marked with labelled wooden plugs after the drill moved to the next set-up. The markers were driven into the hole collars to make identification easier for the surveyors and to distinguish the new holes from the numerous old holes from earlier programmes.

The drill equipment arrived on April 20th and was moved to the first set-up. The first hole was collared on April 21st. A total of 541 underground holes had been drilled during earlier drill programmes; therefore the first hole in this programme was labelled 04-542. Holes were numbered consecutively and drilled chronologically starting with 04-542 and

ending with 04-580. The drilling was completed on July 27th and the equipment was dismantled and packed for removal on July 28, 2004.



**P-1 Drill Set-Up**

In total, 39 holes for 5,282 m were drilled. The following table is a summary of the 2004 underground drilling.

**Table 3 - Summary of Drill Holes**

| Hole No. | Date Start | Date Complete | Length (m) |
|---|---|---|---|
| 04-542 | 2004.04.21 | 2004.04.24 | 199.03 |
| 04-543 | 2004.04.24 | 2004.04.26 | 140.81 |
| 04-544 | 2004.04.26 | 2004.04.27 | 114.60 |
| 04-545 | 2004.04.28 | 2004.04.30 | 141.43 |
| 04-546 | 2004.04.30 | 2004.05.01 | 91.14 |
| 04-547 | 2004.05.01 | 2004.05.02 | 128.63 |
| 04-548 | 2004.05.03 | 2004.05.04 | 77.11 |
| 04-549 | 2004.05.04 | 2004.05.06 | 147.52 |
| 04-550 | 2004.05.06 | 2004.05.07 | 139.90 |
| 04-551 | 2004.05.08 | 2004.05.09 | 135.64 |

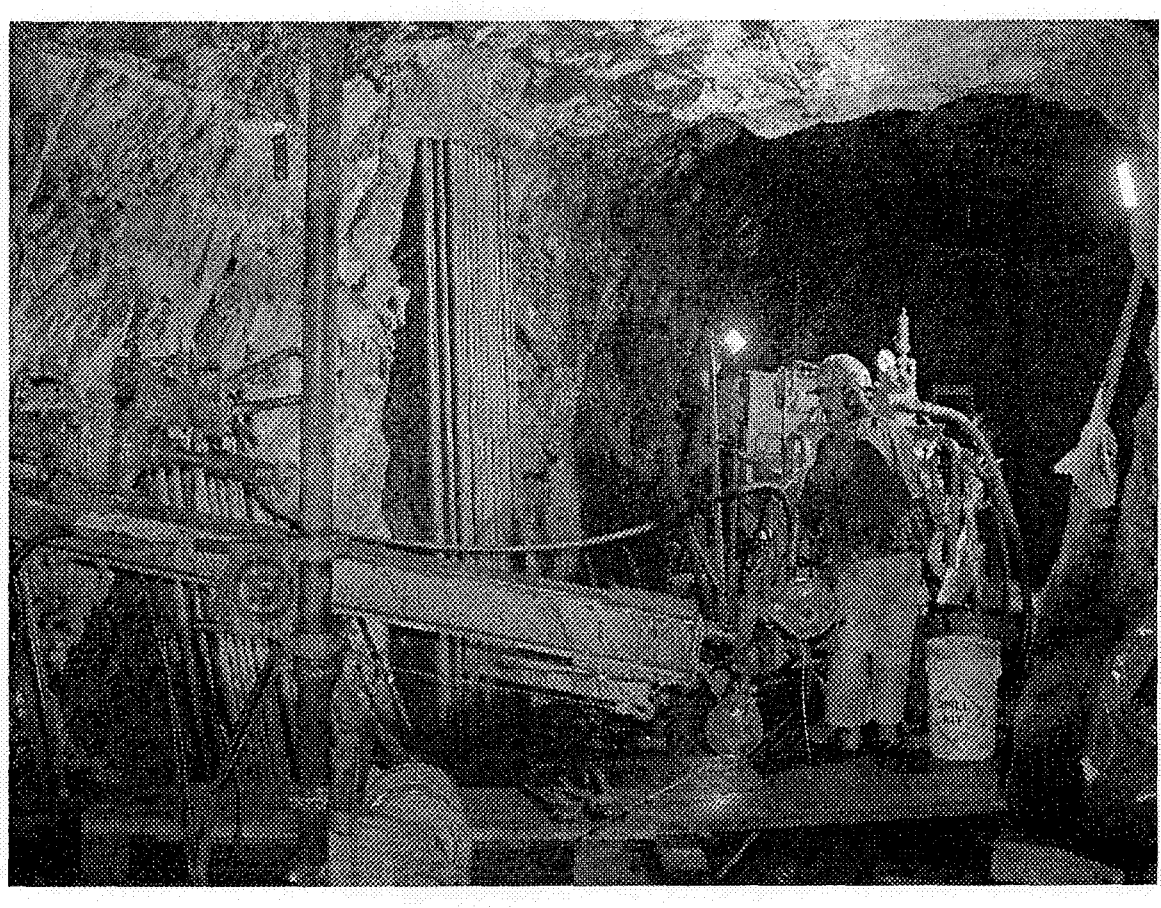
| Hole No. | Date Start | Date Complete | Length (m) |
|---|---|---|---|
| 04-552 | 2004.05.09 | 2004.05.11 | 126.49 |
| 04-553 | 2004.05.11 | 2004.05.15 | 249.63 |
| 04-554 | 2004.05.16 | 2004.05.19 | 200.25 |
| 04-555 | 2004.05.25 | 2004.05.27 | 146.61 |
| 04-556 | 2004.05.27 | 2004.05.29 | 130.45 |
| 04-557 | 2004.05.29 | 2004.05.30 | 104.85 |
| 04-558 | 2004.05.31 | 2004.06.01 | 127.41 |
| 04-559 | 2004.06.01 | 2004.06.02 | 115.21 |
| 04-560 | 2004.06.03 | 2004.06.04 | 124.97 |
| 04-561 | 2004.06.05 | 2004.06.06 | 53.95 |
| 04-562 | 2004.06.06 | 2004.06.06 | 31.70 |
| 04-563 | 2004.06.07 | 2004.06.08 | 56.08 |
| 04-564 | 2004.06.08 | 2004.06.09 | 77.11 |
| 04-565 | 2004.06.09 | 2004.06.10 | 77.42 |
| 04-566 | 2004.06.10 | 2004.06.11 | 98.76 |
| 04-567 | 2004.06.12 | 2004.06.13 | 98.76 |
| 04-568 | 2004.06.13 | 2004.06.14 | 81.69 |
| 04-569 | 2004.06.14 | 2004.06.15 | 75.59 |
| 04-570 | 2004.06.15 | 2004.06.16 | 51.51 |
| 04-571 | 2004.06.16 | 2004.06.17 | 100.28 |
| 04-572 | 2004.06.18 | 2004.06.18 | 51.51 |
| 04-573 | 2004.06.19 | 2004.06.22 | 219.46 |
| 04-574 | 2004.06.22 | 2004.06.27 | 193.24 |
| 04-575 | 2004.06.28 | 2004.06.29 | 124.97 |
| 04-576 | 2004.06.29 | 2004.07.14 | 264.87 |
| 04-577 | 2004.07.14 | 2004.07.15 | 146.00 |
| 04-578 | 2004.07.16 | 2004.07.20 | 321.26 |
| 04-579 | 2004.07.20 | 2004.07.23 | 298.09 |
| 04-580 | 2004.07.24 | 2004.07.27 | 218.85 |
| | | **TOTAL :** | **5282.78** |

Minor offsets and elevation shifts were often encountered during drill set-up; hence all the 2004 hole collars were re-surveyed after drilling to determine the exact co-ordinates and the elevation. Table 9 (Appendix A) shows survey data for the drill collar co-ordinates, elevation, dip and azimuth.

Down-hole survey data were collected using a Sperry-Sun Magnetic Directional Single Shot instrument (Table 10 – Appendix B). Magnetic minerals such as magnetite and pyrrhotite can influence this instrument; however, most readings appeared to correspond favourably to collar survey readings as the variance is within reasonable drill curve parameters.

Transportation of the drill equipment throughout the workings was conducted using an electric locomotive that ran on tracks from outside the portal to the 1000 Crosscut on the 1025 Level. A combination of handcarts and an electric tugger was used to access the trackless workings, namely the 950 East Drift, the 950 Crosscut, the 993 Decline and the 1013 Level. Considerable manpower was needed to move the heavy drill into position especially on the decline so additional personnel assisted the drill crew during drill moves and set up.

The drillers transported the core to a location outside the 1025 Level portal at the end of each shift where it was collected by Discovery personnel and taken to a core logging facility.



**P-2 Drilling in Progress**

## Drill Results

### Mineralized Shell

Probability plots were used to determine different populations of results within the database. The plots have been done for all 2638 results.

Gold

The plot indicates that those values up to and including 0.16 g/t Au comprise background values. This point occurs at the 70 percentile. Values that are greater than 0.16 g/t are part of the mineralized shell. It is reasonable to have 30 percent of the results within the mineralized shell when drilling the periphery of the deposit. The graph from 0.17 g/t to 8.0 g/t (at the 99.3 percentile) is essentially straight – with a deviation of about the thickness of a pencil line. It appears that values from 0.17 to 8.0 g/t are one population.

This demonstrates that most of the mineralized shell does not have different and distinctive modes of mineralization, as would a high-grade vein within a low-grade wall-rock zone. As expected, the resource will be based on assay boundaries.

Copper

The plot indicates that those values up to and including 0.089 % Cu comprise background values. This point occurs, like that for gold, at the 70 percentile. Values that are greater than 0.089 % are part of the mineralized shell. The graph shows an inflection point at 0.45 % (at the 96.7 percentile). This creates two populations, one from 0.090 to 0.45 % and another greater than 0.45 % Cu. The geological controls on these populations are presently not known, but may become evident during the resource calculation.

Although there are two populations of copper values within the mineralized shell, the resource will be mainly based on assay boundaries.

Gold Equivalent

Gold equivalent (AuE) values were calculated from gold, copper and silver grades, based on $US 12.80/g for Au, $ 0.18/g for Ag and $ 25.00/one percent for Cu. Gold equivalent values are somewhat artificial but they were calculated to help with identification of mineralized zones.

The plot indicates that those values up to and including 0.35 g/t AuE comprise background values. This point also occurs at the 70 percentile. Values that are greater than 0.35 g/t are part of the mineralized shell. The graph from 0.36 g/t is essentially straight – with a deviation of about the thickness of a pencil line. It appears that values from 0.36 g/t AuE are one population.

Silver

As the detection limit on silver was 2 ppm and the results only reported to the nearest ppm value, probability plots were not created for silver. Ag values of 4 ppm or greater were chosen for the mineralized shell.

A summary of the Au-Cu-Ag mineralized shell, for all intersections of 4.0 m or more, is shown in Table 4. The mineralized shell intersections are plotted in plan on Figure 5.

## Table 4 - Summary of Mineralized Shell

| DDH # | Target Area | From (m) | To (m) | | Interval (m) | Au g/t | Cu % | Ag g/t | Au E g/t |
|---|---|---|---|---|---|---|---|---|---|
| 04 - 547 | A | none | | | | | | | |
| 04 – 561 | A | 0.0 | 6.0 | | 6.0 | 0.30 | 0.161 | 2 | 0.64 |
| 04 - 562 | A | none | | | | | | | |
| 04 - 563 | A | 8.0 | 38.0 | | 30.0 | 1.98 | 0.668 | 8 | 3.40 |
| 04 - 564 | A | 2.0 | 14.0 | | 12.0 | 0.33 | 0.156 | 2 | 0.65 |
| | | 32.0 | 38.0 | | 6.0 | 0.12 | 0.148 | 1 | 0.42 |
| 04 - 565 | A | 0.0 | 14.0 | | 14.0 | 0.33 | 0.146 | 1 | 0.63 |
| | | 48.0 | 52.0 | | 4.0 | 0.27 | 0.174 | 3 | 0.64 |
| 04 - 566 | A | 0.0 | 12.0 | | 12.0 | 0.41 | 0.140 | 2 | 0.71 |
| | | 36.0 | 42.0 | | 6.0 | 0.11 | 0.137 | 1 | 0.40 |
| 04 - 567 | A | 0.0 | 12.0 | | 12.0 | 0.32 | 0.119 | 2 | 0.57 |
| | | 30.0 | 38.0 | | 8.0 | 0.10 | 0.124 | 1 | 0.36 |
| 04 - 568 | A | 0.0 | 14.0 | | 14.0 | 0.34 | 0.181 | 2 | 0.72 |
| 04 - 569 | A | 0.0 | 32.0 | | 32.0 | 0.53 | 0.260 | 3 | 1.08 |
| 04 - 555 | B | none | | | | | | | |
| 04 - 556 | B | 98.0 | 102.0 | | 4.0 | 0.31 | 0.147 | 4 | 0.64 |
| 04 - 557 | B | 66.0 | 86.0 | | 20.0 | 1.06 | 0.114 | 1 | 1.30 |
| | | 98.0 | 104.9 | EOH | 6.9 | 3.52 | 0.396 | 5 | 4.37 |
| 04 - 558 | B | none | | | | | | | |
| 04 - 559 | B | none | | | | | | | |
| 04 - 560 | B | 122.0 | 125.0 | EOH | 3.0 | 1.90 | 0.362 | 6 | 2.69 |
| 04 - 576 | B | 34.0 | 48.0 | | 14.0 | 0.37 | 0.118 | 2 | 0.63 |
| | | 62.0 | 66.0 | | 4.0 | 0.20 | 0.134 | 2 | 0.48 |
| | | 130.0 | 134.0 | | 4.0 | 0.36 | 0.092 | 1 | 0.55 |
| 04 - 573 | C | 24.0 | 36.0 | | 12.0 | 0.40 | 0.074 | 3 | 0.58 |
| | | 46.0 | 94.0 | | 48.0 | 0.36 | 0.141 | 4 | 0.69 |
| 04 - 574 | C | 40.0 | 106.0 | | 66.0 | 0.63 | 0.239 | 4 | 1.16 |
| 04 - 575 | C | 44.0 | 70.0 | | 26.0 | 0.40 | 0.164 | 2 | 0.75 |
| | | 78.0 | 125.0 | EOH | 47.0 | 0.39 | 0.128 | 2 | 0.67 |
| 04 - 542 | D | 178.0 | 199.0 | EOH | 21.0 | 0.14 | 0.111 | 1 | 0.37 |
| 04 - 543 | D | 38.0 | 62.0 | | 24.0 | 0.18 | 0.105 | 1 | 0.40 |
| | | 120.0 | 124.0 | | 4.0 | 0.20 | 0.121 | 1 | 0.45 |
| 04 - 544 | D | 6.0 | 14.0 | | 8.0 | 0.24 | 0.156 | 4 | 0.60 |
| | | 36.0 | 64.0 | | 28.0 | 0.48 | 0.211 | 3 | 0.94 |
| | | 90.0 | 98.0 | | 8.0 | 0.29 | 0.076 | 1 | 0.45 |

| DDH # | Target Area | From (m) | To (m) | | Interval (m) | Au g/t | Cu % | Ag g/t | Au E g/t |
|---|---|---|---|---|---|---|---|---|---|
| 04 - 545 | D | 24.0 | 76.0 | | 52.0 | 0.45 | 0.157 | 3 | 0.80 |
| 04 - 546 | D | 12.0 | 16.0 | | 4.0 | 0.22 | 0.184 | 5 | 0.64 |
| | | 30.0 | 46.0 | | 16.0 | 0.23 | 0.140 | 2 | 0.54 |
| | | 52.0 | 91.1 | EOH | 39.1 | 0.92 | 0.184 | 7 | 1.37 |
| 04 - 548 | D | none | | | | | | | |
| 04 - 549 | E | 0.0 | 118.0 | | 118.0 | 5.12 | 0.587 | 16 | 6.50 |
| | | 128.0 | 147.5 | EOH | 19.5 | 0.61 | 0.289 | 5 | 1.24 |
| 04 - 550 | E | 0.0 | 52.0 | | 52.0 | 1.24 | 0.207 | 2 | 1.68 |
| | | 106.0 | 110.0 | | 4.0 | 0.23 | 0.091 | 5 | 0.47 |
| | | 120.0 | 124.0 | | 4.0 | 0.36 | 0.107 | 3 | 0.60 |
| 04 - 551 | E | 0.0 | 34.0 | | 34.0 | 2.87 | 0.455 | 5 | 3.82 |
| | | 64.0 | 68.0 | | 4.0 | 0.31 | 0.113 | 3 | 0.57 |
| | | 118.0 | 135.6 | EOH | 17.6 | 0.23 | 0.131 | 2 | 0.51 |
| 04 - 552 | E | 0.0 | 20.0 | | 20.0 | 5.41 | 0.414 | 6 | 6.31 |
| | | 94.0 | 126.5 | EOH | 32.5 | 0.51 | 0.049 | 1 | 0.62 |
| 04 - 553 | E | 0.0 | 40.0 | | 40.0 | 2.08 | 0.223 | 4 | 2.57 |
| | | 98.0 | 102.0 | | 4.0 | 0.32 | 0.034 | 2 | 0.41 |
| | | 160.0 | 170.0 | | 10.0 | 0.35 | 0.050 | 1 | 0.46 |
| | | 196.0 | 200.0 | | 4.0 | 0.72 | 0.138 | 5 | 1.05 |
| | | 218.0 | 222.0 | | 4.0 | 0.40 | 0.053 | 8 | 0.60 |
| 04 - 554 | E | 0.0 | 22.0 | | 22.0 | 0.60 | 0.199 | 2 | 1.02 |
| 04 - 570 | E | 0.0 | 12.0 | | 12.0 | 0.68 | 0.219 | 2 | 1.13 |
| 04 - 571 | E | 0.0 | 30.0 | | 30.0 | 0.57 | 0.199 | 2 | 0.99 |
| | | 36.0 | 40.0 | | 4.0 | 0.32 | 0.097 | 1 | 0.52 |
| 04 - 572 | E | 0.0 | 38.0 | | 38.0 | 3.69 | 0.510 | 6 | 4.77 |
| 04 - 577 | F | 18.0 | 28.0 | | 10.0 | 0.44 | 0.146 | 2 | 0.75 |
| | | 36.0 | 78.0 | | 42.0 | 0.50 | 0.150 | 2 | 0.83 |
| | | 84.0 | 110.0 | | 26.0 | 0.18 | 0.124 | 2 | 0.44 |
| | | 138.0 | 146.0 | EOH | 8.0 | 0.31 | 0.076 | 1 | 0.47 |
| 04 - 578 | F | 48.0 | 108.0 | | 60.0 | 0.44 | 0.162 | 2 | 0.79 |
| | | 148.0 | 194.0 | | 46.0 | 0.54 | 0.161 | 2 | 0.89 |
| | | 268.0 | 321.3 | EOH | 53.3 | 1.67 | 0.393 | 7 | 2.53 |
| 04 - 579 | F | 20.0 | 32.0 | | 12.0 | 0.23 | 0.089 | 1 | 0.42 |
| | | 54.0 | 220.0 | | 166.0 | 0.70 | 0.172 | 3 | 1.07 |
| | | 238.0 | 276.0 | | 38.0 | 0.22 | 0.130 | 3 | 0.52 |
| 04 - 580 | F | 34.0 | 38.0 | | 4.0 | 0.44 | 0.106 | 3 | 0.69 |
| | | 46.0 | 188.0 | | 142.0 | 0.65 | 0.198 | 3 | 1.09 |

## Sampling and Analytical Procedures

A sampling and analytical protocol for the underground drill programme was developed by J.A. Chapman, P.Eng. of Bethlehem Resources (1996) Corporation [Bethlehem]. Discovery Consultants [Discovery] of Vernon BC was responsible for ensuring the protocol was carried out. Acme Analytical Laboratories Ltd [Acme] of Vancouver BC was the main laboratory. ALS Chemex [Chemex] of North Vancouver BC handled duplicate core samples. Discovery Consultants was responsible for the layout of drill holes, the geological and the geotechnical logging of the core, and the quality control aspects of the drill programme.

### Field Sampling Procedures

Drill Programme

An underground drilling programme was carried out on the Willa property during the spring and summer of 2004. The programme was based on the recommendations in the previously citied March 28, 2003 report by D.K. Makepeace, P.Eng. Advanced Drilling of Surrey BC performed the drilling. S.L. Phillips, B.Sc., was the mine site manager. Personnel from Discovery conducted core sampling and logging. The geological core logging was done by R.A. Tilsley, P.Geol., under the supervision of W.R. Gilmour, P.Geo.

Almost all drill hole set-ups were surveyed for location, dip and azimuth. Foresights and backsights were marked for the drillers. The drillers used a taught string between them to correctly align the drill. The holes were marked with labelled wooden plugs after the drill moved to the next set-up. The markers were driven into the hole collars to make identification easier for the surveyors and to distinguish the new holes from the numerous old holes from earlier programmes. After drilling was completed the location, dip and azimuth of all holes were resurveyed (Table 9 – Appendix A). All surveying was under the supervision of R.C. Power, B.C.L.S. of Vernon, BC.

A Sperry-Sun Magnetic Directional Single-Shot instrument was used to determine dips and azimuths at the end of most drill holes. The results are contained in Table 10 – Appendix B.

Holes were drilled on the 1025 Level and the 1013 Level. Both areas were accessed via the 1025 Level portal along a tracked passage using an electric tram locomotive pulling a flat deck utility car. Rubber tired hand carts were used to move the core and equipment in areas where trackless mining had been conducted. An electric tugger was used to assist the movement of core and equipment on the decline.

After removal of the core from the core barrel, the drillers placed run-marker blocks (in feet) at the end of runs. Footage markers were metricated at the core logging facility.

Transportation and Security

The drillers transported the core to the portal at the end of each ten-hour shift using a combination of handcarts, tugger, and the electric locomotive. The core was received by personnel from Discovery and taken by pickup truck to a rented core logging facility located 4.3 km from the mine site.

Core Logging Facility

The core logging facility was located within a gated yard, owned and occupied by a pro-mining local resident. Three very vocal dogs guarded the yard and associated buildings. A large greenhouse with an industrial garage door was utilized as the core logging facility. Core logging benches were built and water hoses were obtained to adapt the greenhouse for core processing.

Geotechnical Measurements

The core was logged and photographed using natural light in the greenhouse. See Appendix H for complete drill logs.

Before splitting, the RQD (rock quality designation) values – the percent of core pieces within an interval that are greater than 10 cm in length – were determined. The following table shows a classification of the RQD values.

**Table 5 - RQD Classification**

| RQD | Rock Quality Classification |
|---|---|
| <25% | Very Poor |
| 25 – 50% | Poor |
| 50 - 75% | Fair |
| 75 – 90% | Good |
| 90 – 100% | Excellent |

Percent recovery values were also measured. In places the measured recovery exceeds 100%. This was caused by non-precise placement of run-markers and/or by non-precise measurement of runs by the drillers. This difference is not material to the results of the programme. The good recovery indicates that the analytical values are representative of the in situ rock.

The RQD and recovery geotechnical logs for the drill holes are contained in Table 11 – Appendix C.

Specific gravity values were determined in the field on stored ¼ core samples (those with sample numbers ending in 00, 25, 50 and 75). Determinations were done by weighing pieces of quartered core of convenient length first in air and then submerged in water.

This was achieved by suspending the core pieces with monofilament fishing line beneath an electronic balance. A hole was drilled through the balance table to allow the fishing line to freely suspend the core in the air. A container of water below the balance table made it possible to repeat the weighing procedure with the core suspended below the water surface. The specific gravity was calculated using the formula below.

$$\text{Specific Gravity} = \frac{\text{Weight of sample (g)}}{\text{Weight in air (g)} - \text{Weight in water (g)}}$$

Bulk density determinations were conducted on several samples by sealing the core in a thin layer of wax to prevent water from entering cracks, vugs or pores in the rock. Sealing the core was done by dipping warm core in hot wax and letting it cool prior to the weighing procedure. The sealed core was then suspended below the balance and weighed in air and weighed again submerged in water. The bulk density was calculated using the specific gravity formula and weights from the wax-sealed core.

The results of this determination are contained in Table 12 – Appendix D. The results are compared with the specific gravity determined by Acme. The following table shows the average values for the three main rock types.

**Table 6 - Specific Gravity for Rock Types**

| Specific Gravity Determinations Average Values | | | |
|---|---|---|---|
| | **n** | **Field** | **Lab** |
| Rossland Group | 41 | 2.90 | 2.82 |
| Quartz Latite Porphyry | 24 | 2.68 | 2.63 |
| Heterolithic Breccia | 44 | 2.77 | 2.73 |

The field values are consistent with the laboratory values, although about 1.5 to 2.8 % higher on average. A difference is expected as the laboratory values are for a split of crushed rock from a 2.0 m interval while the field determination is from a piece of core from the same interval.

No significant difference was detected between the bulk density and the specific gravity of the Willa core indicating that the core was solid in nature with low internal porosity.

Core Sampling

The core was marked at 2.0-metre intervals and tagged for splitting and sampling. The two-metre length was standard, except at the start or the end of each hole where occasionally sample length varied to accommodate casing.

A field blank sample was inserted into the sample sequence at sample numbers ending in 49 or 99 (about 100-metre intervals). The field blank material was obtained from an

aplitic quartz-feldspar vein, exposed on the right rib of the 1025 Level a short distance in from the portal. The blank material generally contained no visible sulphides. The aplitic material was broken into core-sized pieces, placed in labelled plastic bags, and tagged similarly to the regular core samples.

Core Splitting

Rock saws were set up outside the greenhouse to longitudinally split the core for sampling. A mechanical splitter was used in some zones if it became impractical to cut the harder lithologies using the rock saws. Half the core was shipped to Acme for analysis while the other half was placed back in the core boxes.

Duplicate check samples were taken at 25-sample intervals (about 50-metre) from samples with numbers ending in 00, 25, 50, and 75. Here the remaining half core was longitudinally split to form ¼ cores. One portion of the quartered core was sent to Chemex for check analysis and the remaining portion was kept in the core box. The split core was re-photographed and stored for future reference.

Labelling

All boxes were labelled with stainless steel or aluminum embossing labels. The labels were nailed to the ends of the core boxes with appropriate steel or aluminum nails depending on the label metal. The wooden core run-marker blocks were inscribed with black marker and pencil and nailed into position in the core boxes to prevent movement or loss.

Core Shipping

Sawn or mechanically split core samples were placed in plastic bags along with pre-numbered sample tags. The corresponding sample number was written on both sides of the sample bag. The sample bags were closed with plastic cable ties and packed into poly woven rice bags fitted with a security tag and a cable tie fastener. Partially filled rice bags were locked in a large aluminum box when unattended until sufficient samples were processed to completely fill and secure a shipping bag.

Regular sample shipments contained a total of one hundred fifty samples (150). Most of the samples were driven to Nakusp by Discovery personnel and were transferred to bonded shippers who trucked the samples to Acme in Vancouver. Each shipment of 150 samples contained three field blanks and six duplicate core samples.

The duplicate field samples were also placed in plastic bags similarly to the regular samples and locked in the security box until sufficient samples accumulated to fill a shipping bag. Duplicate samples were packed in poly woven rice bags fitted with security tags and shipped separately to Chemex via bonded shippers.

Core Storage

The split core was stored in temporary, roofed core racks beside the greenhouse. The core was subsequently removed from the temporary racks, carefully cross-stacked and shipped to a storage facility at Bethlehem's Goldstream Mill Site for permanent storage.

**Laboratory Sample Preparation and Analysis**

Sample Preparation

At Acme the core samples were treated according to Acme Quote 04-032, dated February 25, 2004. The samples were dried and all the material in the samples was crushed to >70% minus 2.0 mm. After thorough mixing the sample was riffle split to produce a 250 g sub-sample. The remaining 2.0 mm reject was placed in sealed plastic bags and stored at Acme for possible future analysis and for metallurgical testing. The 250 sub-sample was pulverized to >95% minus 100 microns. After thoroughly mixing, 29.2 g was split off for gold and silver analysis and a 1.0 g sub-sample was taken for analysis of base metals and other elements. The remaining pulp sample was placed in sealed plastic bags and stored at Acme for possible future analysis.

At Chemex a similar process of sample preparation and analysis was carried out on duplicate field samples.

Specific Gravity

Acme measured the specific gravity of reject material from core samples with sample numbers ending in 00, 25, 50 and 75. The results of this determination are contained in Table 12 – Appendix D. The results are compared with the field determined specific gravity.

Analysis

Gold and silver values were determined by classical lead-collection fire assay on a one assay-ton (29.2 g) sample, followed by ICP emission spectrometry (Acme Group 6). Base metals and other elements were determined by aqua regia digestion on 1.0 g sample, followed by ICP emission spectrometry (Acme Group 7AR). Note that digestion is only partial for some minerals, especially silicates. However, digestion is excellent for base-metal sulphides.

All the analytical results are included with the geological logs in Appendix H.

## Quality Control and Quality Assurance Programme

### Collection and security

The procedures are described in the above section.

### Contamination

For the 2004 underground drill programme, Discovery inserted a coarse blank sample every 50 samples, totalling 50. The blank material was from an aplitic quartz-feldspar vein, and therefore was not blind to the laboratory. The purpose of these blanks was to check for contamination within the preparation (crushing, pulverizing) process. The results demonstrate no significant contamination during the sample preparation process.

Acme inserted a silica sample at the start of every sample batch, totalling 18. The purpose of these blanks was to check for any preparation contamination from the preceding batch. The results were monitored on a regular basis.

The results of the field and laboratory blank samples are in Table 13 – Appendix E.

### Precision

Duplicate samples are prepared and analysed to measure precision. Precision is defined as the percent relative variation at the two standard deviation (95%) confidence level. In other words, a result should be within two standard deviations of the mean, 19 times out of 20. The higher the precision number the less precise the results. Precision varies with concentration – usually the lower the concentration the higher the precision number. The precision values are determined from Thompson-Howarth plots. The duplicate sample results pair the original Acme results with either a Chemex check core sample, another sub sample from the rejects or another sub sample from the pulps.

Precision is a measure of the error in the analytical results from a variety of sources: (1) core sampling, (2) sample preparation and sub sampling, and (3) analysis. The core duplicates measure the error in all three of these parameters; the reject duplicates, the error in preparation, sub sampling and analysis; and the pulp duplicates, mainly the error in analysis. The duplicates should be inserted into the sample stream after the original sample. The homogeneity of the samples should increase with the process, from core sampling through to the analysis of sample pulps. The results of the duplicate samples were monitored on a regular basis.

#### Core duplicates

In total, 107 duplicate pairs of core samples were analysed. The pairs comprised ½-core samples analysed by Acme and ¼-core samples analysed by Chemex. This procedure

will only give an estimate of the sampling precision, as a different sized sample was analysed by a different laboratory.

The Thompson-Howarth plots for Au and Cu are shown in Figures 33 and 34. The results are summarized in the following table.

**Table 7 - Core Duplicates: Precision Values**
**Acme/Chemex, n = 107**

| Precision Values (%) | | | | |
|---|---|---|---|---|
| **Au g/t** | **0.5** | **1.0** | **1.5** | **2.0** |
| Au | 6.6% | 4.9% | 4.3% | 4.0% |
| | | | | |
| **Cu %** | **0.1** | **0.15** | **0.2** | **0.3** |
| Cu | 14.6% | 9.8% | 7.4% | 5.0% |

At the 95% confidence level the precision values indicate about a ± 2% error for 2.0 g/t Au values and about a ± 2.5 % error for 0.3 % Cu values. This is the total error for sampling, preparation and analysis. This error is probably higher than if two ½-core samples were analysed consecutively within the same laboratory. Greater errors are produced when using a different core-sample size and a different laboratory.

Reject Duplicates

The laboratory systematically produced, about every 30 to 40 samples (89 pairs in total), another pulp sample from the saved reject (crushed) material. The Thompson-Howarth plots for Au and Cu are shown in Figures 35 and 36. The results are summarized in the following table.

**Table 8 - Reject Duplicates: Precision Values**
**Acme, n = 89**

| Precision Values (%) | | | | |
|---|---|---|---|---|
| **Au g/t** | **0.5** | **1.0** | **1.5** | **2.0** |
| Au | 5.6% | 2.6% | 1.6% | 1.1% |
| | | | | |
| **Cu %** | **0.1** | **0.15** | **0.2** | **0.3** |
| Cu | 3.2% | 2.2% | 1.8% | 1.3% |

At the 95% confidence level the precision values indicate about a ± 0.6 % error for 2.0 g/t Au values and about a ± 0.7 % error for 0.3 % Cu values. This is the total error for preparation and analysis.

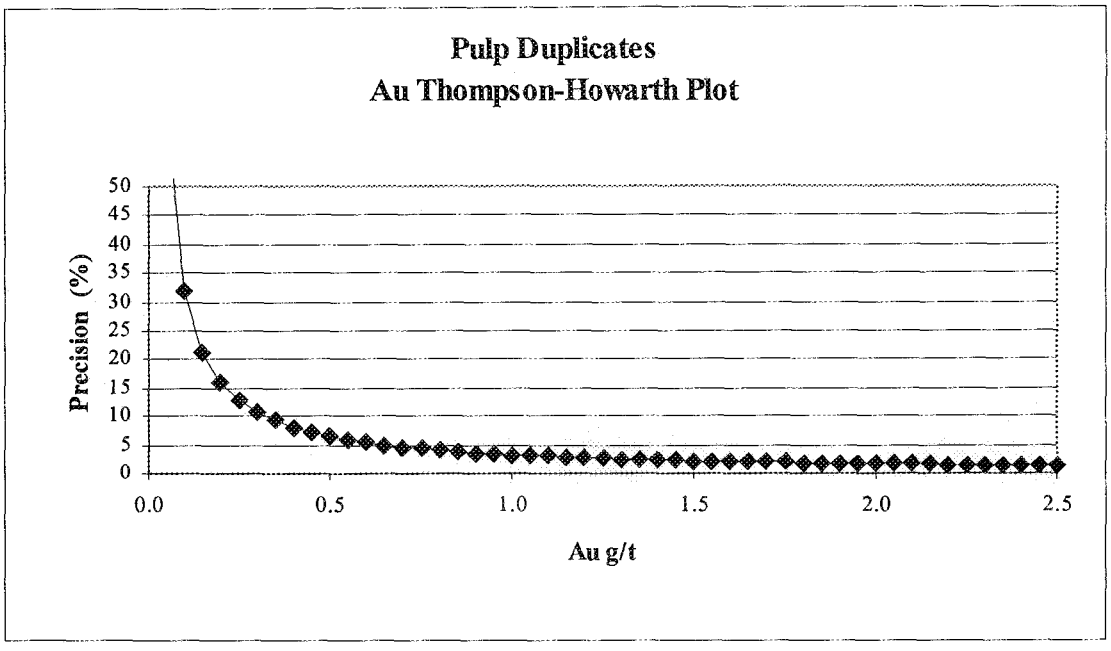



Figure 33

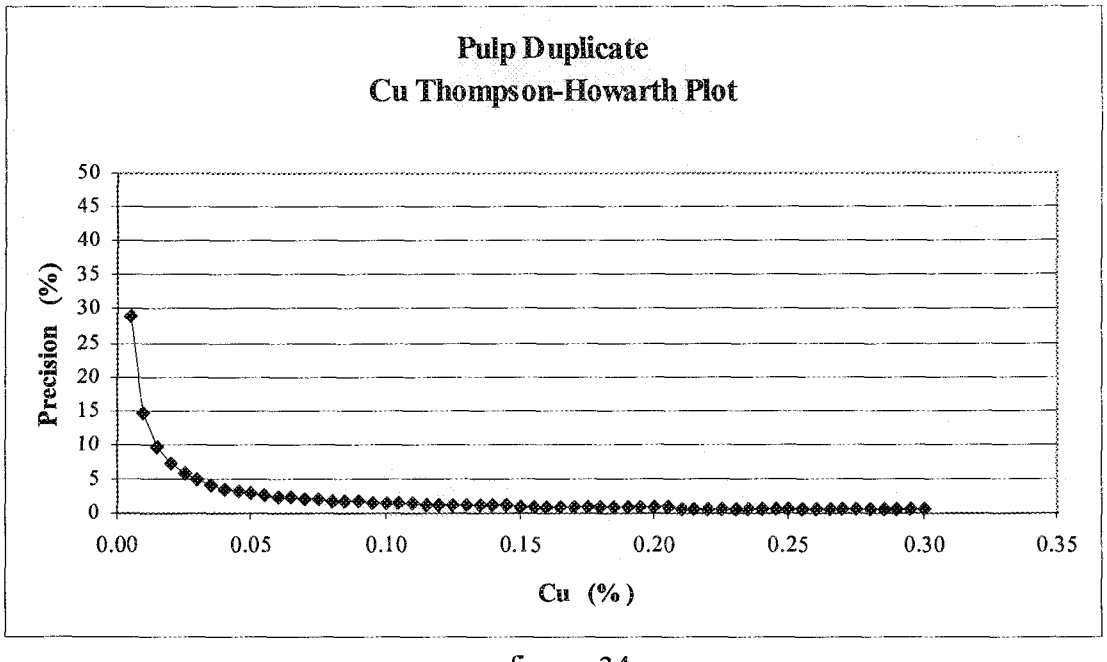



figure 34

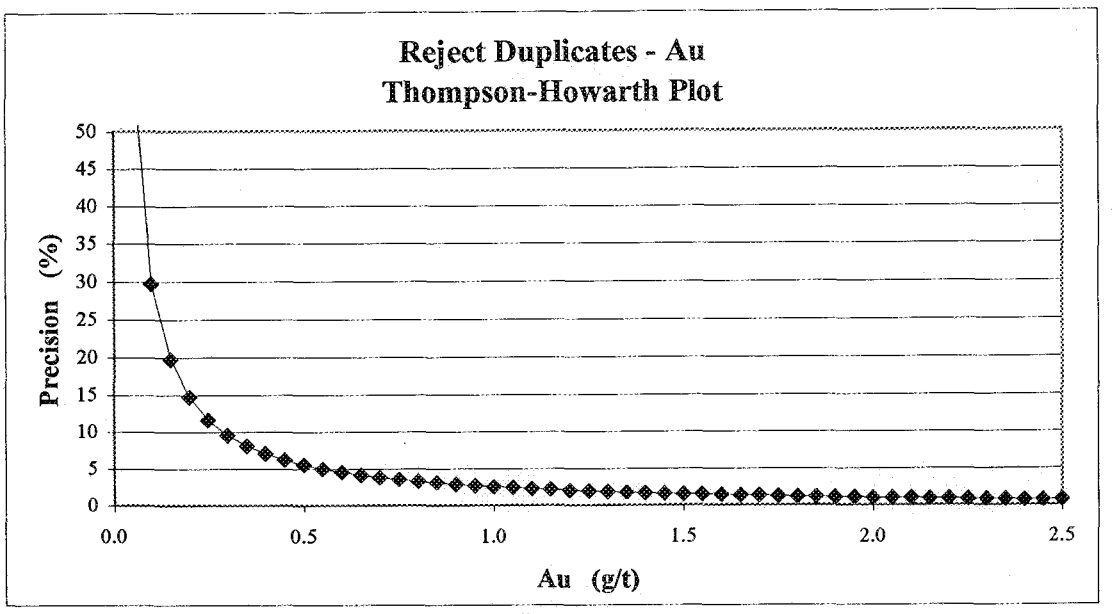



Figure 35

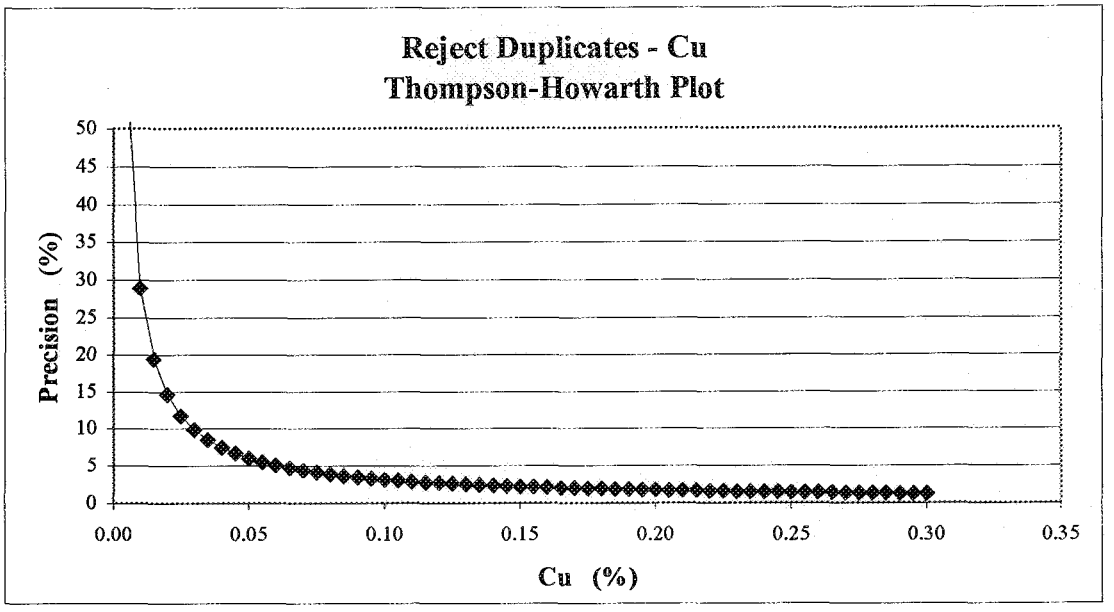



Figure 36

Pulp Duplicates

The laboratory systematically analysed, about every 30 to 40 samples (89 pairs in total), another pulp sample. The Thompson-Howarth plots for Au and Cu are shown in Figures 37 and 38. The results are summarized in the following table.

**Table 9 - Pulp Duplicates: Precision Values**
**Acme, n = 89**

| Precision Values (%) | | | | |
|---|---|---|---|---|
| **Au g/t** | **0.5** | **1.0** | **1.5** | **2.0** |
| Au | 6.5% | 3.3% | 2.2% | 1.7% |
| | | | | |
| **Cu %** | **0.1** | **0.15** | **0.2** | **0.3** |
| Cu | 1.5% | 1.0% | 0.8% | 0.5% |

At the 95% confidence level the precision values indicate about a ± 0.9 % error for 2.0 g/t Au values and about a ± 0.3 % error for 0.3 % Cu values. This is the error for analysis. The results were monitored on a regular basis.

**Check Samples**

Duplicate core samples, ¼ core, were sent to Chemex for analysis. The Thompson-Howarth plots for Au and Cu are shown in Figures 33 and 34. At 2.0 g/t Au, the precision value is 4.0 % and for 0.3 % Cu the precision value is 5.0 %.

**Accuracy**

Acme inserted two standards into the sample stream about every 35 samples. AU-1 was the gold assay standard and R-2a was the multielement standard. The results of the standards are shown in Table 14 – Appendix F.

Plots of the Au and Cu standard values with time are plotted on Figures 39 and 40. The results were monitored on a regular basis.

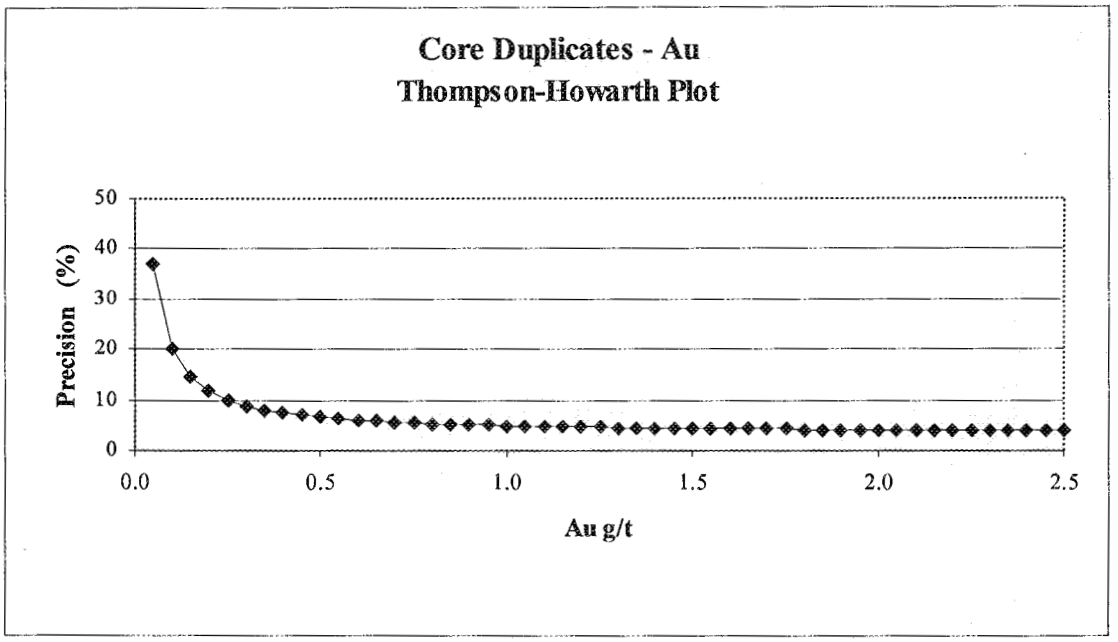



Figure 37

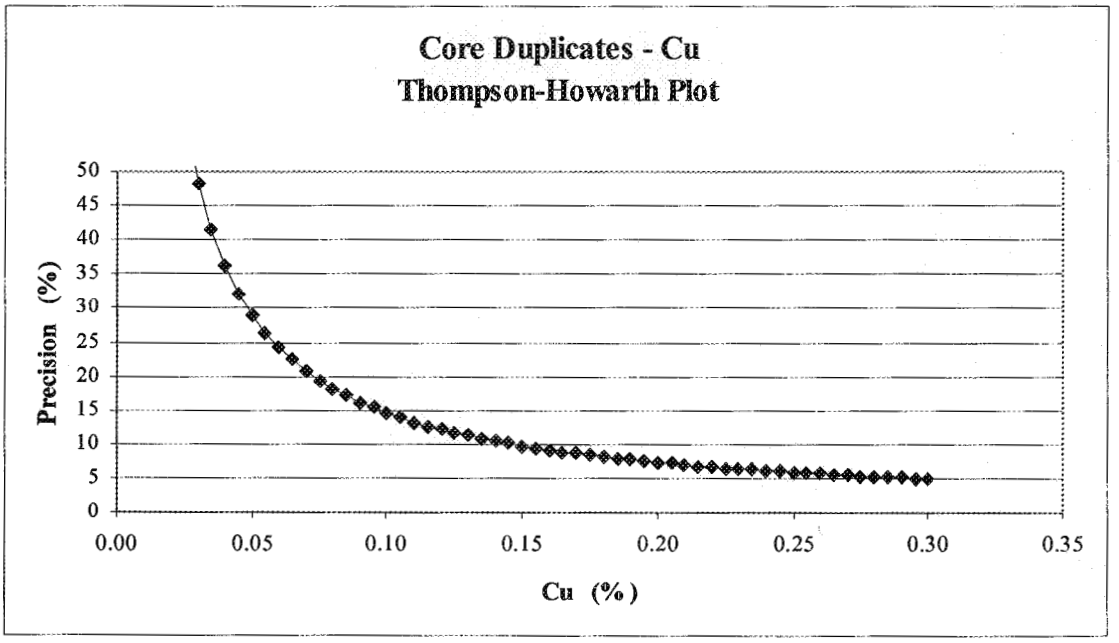



Figure 38

## CONCLUSIONS

### Mineralization & Geology

- The 2004 drilling in the peripheral areas of the Willa deposit was not successful in locating significant new zones of potentially economic Au-Cu-Ag mineralization.
- The drilling was successful in outlining the limits of the higher grade zones.
- The best results were from Area E, along the west edge of the West Zone.
- Drilling in Areas C and D failed to find significant north-south extensions of the Main Zone.
- Drilling in Areas B and A failed to find significant north-south extensions of the East Zone.
- Drilling in Area F failed to find significant mineralized zones in under-drilled areas of the Main Zone.
- A Au-Cu-Ag mineralized shell was encountered in 30 % of the intersections. On a deposit scale, Au-Cu-Ag mineralization of economic interest seems to be enclosed within this mineralized shell. This shell is statistically a single population.
- Grades > 0.35 g/t gold equivalent (see Results section) define the lower grade limit of the shell. Within this shell, any Au-Cu-Ag resource will be based on assay boundaries, not geological contacts.
- In property exploration, the presence of a low-grade mineralized shell may indicate proximity to higher grade Willa-style mineralization.
- Heterolithic breccia is the main host to the mineralized shell, but the shell boundaries are not strictly controlled by geology.
- The heterolithic breccia composition ranges from 100 % Rossland Group fragments to 100 % quartz latite porphyry, although a mixture is most common.

### Specific Gravity

- The three main rock types have distinctive specific gravities. On average: Rossland Group 2.82, Quartz Latite Porphyry 2.63 and Heterolithic Breccia 2.73.
- There is not sufficient data to determine the specific gravity of zones that have economic potential.

**RQD Determinations**

- No detailed analysis of the RQD values has been undertaken for this report.

**Quality Control and Quality Assurance**

- Due to the good core recovery during drilling, the sampling was representative of the rocks drilled.
- The collection and security of core samples before the laboratories took custody were satisfactory.
- The sample preparation procedures were satisfactory and there was no significant contamination.
- The precision for the sample collection, preparation and analysis is excellent. This is most likely due to the fine grained nature of the gold. Wong and Spence (1995) report that the average gold grain size is 10 microns.
- The excellent precision for the duplicate core samples means that bulk sampling is not needed to assist in resource calculations
- It is not clear why the reject duplicates returned lower precision values for Au than did the pulp duplicates. However, the values are so low that the difference is not significant.
- Most of the error in the sampling, preparation and analytical processes is the result of inherent inhomogeneity of mineralization in the core, as to be expected.
- The precision of the check Au and Cu results is excellent. However, the duplicate samples sent to another laboratory should not be a substitute for analysing duplicate pulps within the main laboratory. This inter-laboratory duplicate analysis does not measure accuracy. Its purpose is to "establish the reproducibility of analysis and the presence or absence of bias between the laboratories" (Smee, 1998).
- From the laboratory standards, almost all of the Au values are within acceptable limits. However, Figure 39 seems to indicate two populations of standards. Discovery is reviewing the results with the laboratory.
- The Cu standard results are consistent, with almost all ranging between 0.550 and 0.570 %.
- The results of the standards demonstrate no significant problems with the accuracy of Au and Cu values.

## RECOMMENDATIONS

### Further Exploration

It is recommended that the data collected during the 2004 drill programme be added to the historical data to direct further exploration and to produce a resource estimate.

Specific decisions on further work will be dependent upon reviewing the data in a three-dimensional model.

### Quality Control and Quality Assurance

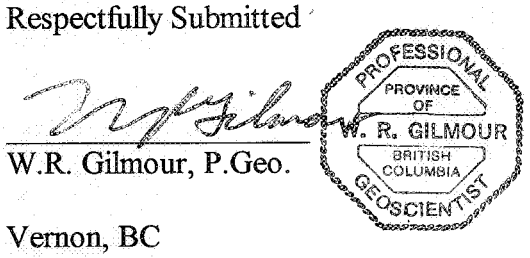
In any future stope-definition drilling programme, field blank samples should be inserted on a more regular basis, say every 20 samples. Laboratory blank pulp samples, to monitor possible errors in the analytical process, should be inserted about every 20 samples.

On any future stope-definition drilling, duplicate core samples should comprise two ½-core samples from the same drill interval. The duplicate sample should be inserted into the sample stream immediately following the initial sample.

The main laboratory results can be checked for reproducibility and for bias by sending pulp samples, along with inserted blind standards, to another lab.

For future stope-definition drilling, Bethlehem should consider producing its own standard(s) for the core material of the recent drilling. The standard would be submitted regularly into the sample stream to monitor accuracy

Respectfully Submitted




W.R. Gilmour, P.Geo.

Vernon, BC
December 17, 2004

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Heather, K.B. 1985 The Aylwin Creek Gold-Copper-Silver Deposit, Southeastern BC, MSc Thesis, Queen's University, Department of Geological Sciences, Kingston, ON

Makepeace, D.K. 2003 Willa Deposit, Preliminary Assessment Technical Report for Orphan Boy Resources Inc.

Petersen, D.B. 1988 Summary Report, Willa Project, Northair Mines Ltd.

Smee, B. 1998 Overview of Quality Control Procedures Required by Mineral Exploration Companies, in Workshop on Quality Control Methods in Mineral Exploration, The Association of Exploration Geochemists

Wong, R.H. and Spence, C.D. 1995 Copper-gold mineralization in the Willa Breccia Pipe, Southeastern BC, in CIM Special Volume 46, Porphyry Deposits of the Northwestern Cordillera of North America, Paper 25, pp 401 - 409

## STATEMENT OF COSTS

**1. Professional Services**

W.R. Gilmour, P.Geo.
Project planning, Data Compilation, Report Writing
April 15 - September 17
12 days @$500/day $6,000.00

R.A. Tilsley, P.Geol.
Planning, Core Logging, Data Compilation, Report Writing
April 15 - September 17
100 days @$500/day 50,000.00

T.H. Carpenter, P.Geo.
May 1 - May 31
Project planning
3.0 days @$500/day 1,500.00

S.L. Phillips, Mine Manager
Jan 15 - September 17
Supervision, Planning
105 days @$500/day 52,500.00

---------- **$110,000.00**

**2. Personnel**

**A. Mine**

| | | |
|---|---|---|
| W. Gerow (Shift Boss), Mar 1 - July 31 | $12,767.70 | |
| J. Kelly (Shift Boss), Mar 1 - July 31 | 22,945.00 | |
| J. Leontowicz, Mar 15 - Jul 31 | 23,916.91 | |
| G. Brekke, Mar 15 - Jul 31 | 12,301.00 | |
| | ---------- | $71,930.61 |

**B. Core Splitting/Sample Prep**

| | | |
|---|---|---|
| D. Strain, Apr 15 - May 31 | | |
| 42 days @$400/day | 16,800.00 | |
| K. Carpenter, May 2 - May 26 | | |
| 22 days @$265/day | 5,830.00 | |
| R. Coslett, May 15 - Jul 31 | | |
| 57 days @$265/day | 15,105.00 | |
| A. McLean, May 27 - Jun 28 | | |
| 31 days @$305/day | 9,455.00 | |
| D. Wu, Jun 30 - Jul 3 | | |
| 33 hrs @38.40/hr | 1,267.20 | |
| | ---------- | 48,457.20 |

**C. Drill Hole Lay-out**

| | | |
|---|---|---|
| R. Mitchell, Apr 15 - Jun 30 | | |
| 10 days @$400/day | 4,000.00 | |
| | ---------- | 124,387.81 |

**D. Office Personnel**

| | | |
|---|---|---|
| Drafting | 5,000.00 | |
| Secretarial/Data Compilation | 4,000.00 | |
| | ---------- | 9,000.00 |
| | | ---------- **133,387.81** |

3. **Expenses**

| | | | |
|---|---|---|---|
| **A. Analytical** | | | |
| ACME Lab | | | |
| 2,638 core sample @$23.45/sample | 61,861.10 | | |
| 50 field blank samples @$23.45/sample | 1,172.50 | | |
| 96 samples for specific gravity @$9.00/sample | 864.00 | | |
| ALS Chemex Lab | | | |
| 107 field duplicate samples @$29.50/sample | 3,156.50 | | |
| Freight (Van Kam Freightways, Greyhound, Arrow Lake Express) | 5,990.52 | | |
| | | 73,044.62 | |
| **B. Drilling** | | | |
| Advance Drilling (5,282 m) | 340,583.26 | | |
| | | 340,583.26 | |
| **C. Engineering/Surveying** | | | |
| Hatch Ltd. | 11,823.15 | | |
| RC Power & Associates Ltd. (surveying) | 14,790.90 | | |
| GeoSpectrum (D. Makepeace, P.Eng.) | 2,174.33 | | |
| J.A. Chapman Mining Services | 3,000.00 | | |
| | | 31,788.38 | |
| **D. Electrical & Equipment Rental** | | | |
| Tim McCrory Ltd. (electrical contractor, supplier, water pump) | 121,072.84 | | |
| Wrightway Charter (generator, transport) | 43,341.46 | | |
| Genex Mining | 6,497.86 | | |
| Savona Equipment | 7,570.25 | | |
| R. Kelly (core logging facility) | 5,610.00 | | |
| | | 184,092.41 | |
| **E. Miscellaneous & Supplies** | | | |
| Lodging & Meals | 12,410.41 | | |
| Communications | 397.62 | | |
| Office | 120.10 | | |
| Field Supplies | 5,917.75 | | |
| Fuel & Grease | 8,136.39 | | |
| Vehicle Fuel (Glacier View Service) | 4,187.12 | | |
| Timber (Clear Conscience Wood Products) | 7,476.03 | | |
| Other Supplies | 11,017.45 | | |
| Management Fees | 6,601.88 | | |
| | | 56,264.75 | |
| **F. Transportation** | | | |
| 4x4 Apr 15 - Jul 31 | 3,760.00 | | |
| Mileage Apr 15 - Jul 31 | 5,146.40 | | |
| Fuel | 2,311.70 | | |
| | | 11,218.10 | |
| | | | **$696,991.52** |
| | | **Total:** | **$940,379.33** |

**DISCOVERY**

**Consultants** *A Corporate Partnership*

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**e-mail**: discover@junction.net

## CERTIFICATE of AUTHOR

I, William R. Gilmour, B.Sc., P. Geo., do hereby certify that:

1. I am a partner of Discovery Consultants.
2. I graduated with a Science degree (geology major) from the University of British Columbia in 1970.
3. I am a member of the Association of Professional Engineers and Geoscientists of B.C. (License # 19743)
4. I have worked as a geologist for a total of 33 years since my graduation from university.
5. This report is based on field work carried out under my supervision.
6. I hold no interest, direct or indirect, in the Willa Property, Orphan Boy Resources Inc., or Bethlehem Resources (1996) Corp.

Dated this 17th Day of December, 2004

Signature of William R. Gilmour

# APPENDIX A

## Surveyed Hole Collars: Location, Dip and Azimuth

## Drill Holes 04-542 to 04-580

## Table 10 - Surveyed Hole Collars: Location, Dip and Azimuth

| Drill Hole | Northing (m) | Easting (m) | Elevation (m) | Azimuth (dms) | Dip (dms) | Length (m) |
|---|---|---|---|---|---|---|
| **542** | 5525311.555 | 473773.725 | 1031.352 | 215°52'46" | 33.4226 | 199.03 |
| **543** | 5525311.563 | 473773.625 | 1030.278 | 218°09'12" | 9°32'37" | 140.81 |
| **544** | 5525312.399 | 473773.171 | 1030.779 | 243°46'44" | 25°09'59" | 114.60 |
| **545** | 5525312.561 | 473773.549 | 1031.735 | 242°50'22" | 42°15'07" | 141.43 |
| **546** | 5525312.512 | 473773.118 | 1030.426 | 247°16'29" | 12°36'20" | 91.14 |
| **547** | 5525313.214 | 473778.119 | 1029.289 | 80°49'20" | -12°53'17" | 128.63 |
| **548** | 5525345.715 | 473759.477 | 1030.204 | 46°27'46" | 24°00'36" | 77.11 |
| **549** | 5525434.237 | 473660.718 | 1029.525 | 154°16'40" | 14°02'10" | 147.52 |
| **550** | 5525434.266 | 473660.706 | 1028.936 | 154°29'51" | -13°43'14" | 139.90 |
| **551** | 5525434.772 | 473660.462 | 1030.383 | 154°26'35" | 35°48'57" | 135.64 |
| **552** | 5525433.475 | 473659.815 | 1029.263 | 187°27'03" | -0°21'53" | 126.49 |
| **553** | 5525433.351 | 473657.973 | 1029.108 | 224°47'54" | 0°19'31" | 249.63 |
| **554** | 5525437.234 | 473655.322 | 1029.231 | 269°16'08" | 0°02'26" | 200.25 |
| **555** | 5525561.399 | 473885.341 | 1014.210 | 339°43'54" | -36°09'49" | 146.61 |
| **556** | 5525560.527 | 473885.102 | 1014.183 | 322°33'33" | -45°46'53" | 130.45 |
| **557** | 5525559.930 | 473884.879 | 1014.180 | 302°00'00" | -46°00'00" | 104.85 |
| **558** | 5525582.740 | 473851.928 | 1014.464 | 26°31'24" | -41°34'33" | 127.41 |
| **559** | 5525582.215 | 473852.654 | 1014.152 | 61°09'00" | -50°45'26" | 115.21 |
| **560** | 5525582.745 | 473850.147 | 1017.049 | 326°45'17" | 32°55'15" | 124.97 |
| **561** | 5525469.601 | 473851.020 | 1015.149 | 143°43'21" | 16°55'05" | 53.95 |
| **562** | 5525471.299 | 473851.359 | 1015.236 | 106°48'10" | 20°30'46" | 31.70 |
| **563** | 5525469.752 | 473834.220 | 1010.316 | 121°17'19" | -19°59'45" | 56.08 |
| **564** | 5525443.877 | 473807.339 | 1005.766 | 99°53'36" | 10°09'10" | 77.11 |
| **565** | 5525443.833 | 473807.082 | 1004.793 | 102°12'18" | -15°17'02" | 77.42 |
| **566** | 5525443.153 | 473806.358 | 1005.088 | 129°05'23" | -9°59'54" | 98.76 |
| **567** | 5525443.188 | 473806.291 | 1005.671 | 130°10'47" | 11°42'05" | 98.76 |
| **568** | 5525455.902 | 473819.046 | 1006.809 | 97°45'51" | -40°04'33" | 81.69 |
| **569** | 5525456.077 | 473819.086 | 1009.403 | 90°32'50" | 35°39'27" | 75.59 |
| **570** | 5525437.267 | 473655.972 | 1028.280 | 268°35'06" | -30°08'33" | 51.51 |
| **571** | 5525438.111 | 473656.938 | 1028.897 | 313°32'12" | -15°15'44" | 100.28 |
| **572** | 5525438.173 | 473657.414 | 1029.249 | 333°53'32" | 1°52'02" | 51.51 |
| **573** | 5525692.350 | 473694.374 | 1027.373 | 61°31'52" | 26°21'49" | 219.45 |
| **574** | 5525691.246 | 473694.287 | 1028.575 | 89°15'23" | 63°06'56" | 193.24 |
| **575** | 5525691.298 | 473695.079 | 1027.454 | 88°38'27" | 23°09'20" | 124.97 |
| **576** | 5525691.197 | 473695.304 | 1026.009 | 91°17'43" | -21°22'34" | 264.87 |
| **577** | 5525691.054 | 473694.989 | 1028.383 | 97°30'28" | 38°50'34" | 146.00 |
| **578** | 5525689.973 | 473693.335 | 1028.516 | 163°03'52" | 48°09'20" | 321.26 |
| **579** | 5525690.032 | 473693.639 | 1028.569 | 154°15'06" | 46°16'30" | 298.09 |
| **580** | 5525691.302 | 473693.574 | 1028.510 | 128°51'35" | 61°12'40" | 218.85 |

This data has been approved by R.C. Power & Associates, BCLS

W.R. Gilmour, P.Geo.
Discovery Consultants
September 30, 2004.

# APPENDIX B

## Down-Hole Dip and Azimuth Tests

## Table 11 - Down-Hole Dip and Azimuth Tests

| Hole# | Test dip | Test Az | test depth m |
|---|---|---|---|
| 04-542 | no test | | |
| 04-543 | no test | | |
| 04-544 | no test | | |
| 04-545 | 46 | 254 | 141.40 |
| 04-546 | 12 | 249 | 8.50 |
| 04-546 | 16 | 252 | 91.14 |
| 04-567 | -12 | 82 | 6.09 |
| 04-547 | -7 | 83 | 128.63 |
| 04-547 | -7 | 85 | 128.63 |
| 04-548 | 25 | 50 | 77.11 |
| 04-549 | 12 | 159 | 146.30 |
| 04-550 | -6 | 163 | 139.90 |
| 04-551 | 41 | 162 | 135.60 |
| 04-552 | 8 | 181 | 126.49 |
| 04-553 | 16 | 234 | 249.63 |
| 04-554 | 13 | 277 | 194.16 |
| 04-555 | -29 | 349 | 146.61 |
| 04-556 | -49 | 332 | 130.45 |
| 04-557 | -47 | 312 | 104.85 |
| 04-558 | -37 | 29 | 127.41 |
| 04-559 | -51 | 62 | 115.21 |
| 04-560 | 38 | 338 | 124.97 |
| 04-561 | 30 | 148 | 53.95 |
| 04-562 | 22 | 109 | 31.70 |
| 04-563 | -17 | 125 | 56.08 |
| 04-564 | 15 | 104 | 46.63 |
| 04-565 | -10 | 108 | 77.42 |
| 04-566 | -4 | 136 | 98.76 |
| 04-567 | 18 | 138 | 98.76 |
| 04-568 | -37 | 103 | 81.69 |
| 04-569 | 39 | 93 | 75.59 |
| 04-570 | -28 | 269 | 51.51 |
| 04-571 | -10 | 318 | 100.28 |
| 04-572 | 4 | 340 | 51.51 |
| 04-573 | 36 | 73 | 219.45 |
| 04-574 | 62 | 99 | 167.64 |
| 04-575 | 30 | 100 | 124.97 |
| 04-576 | -4 | 91 | 264.87 |
| 04-577 | 45 | 110 | 146.00 |
| 04-578 | 40 | 171 | 321.26 |
| 04-579 | 39 | 164 | 298.09 |
| 04-580 | 54 | 136 | 115.82 |
| 04-580 | 53 | 135 | 218.85 |

**Discovery Consultants**
**W.R. Gilmour, P.Geo**
**December 15, 2004**

# APPENDIX C

## Rock Quality Designation and Core Recovery

## Drill Holes 04-542 to 04-580

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Hole # 04-542

Date Logged: 2004.04.23
Logged By: Rob Tilsley

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 2.44 | 99 | 96 |
| 2.44 | 3.96 | 100 | 95 |
| 3.96 | 7.01 | 100 | 96 |
| 7.01 | 10.06 | 99 | 92 |
| 10.06 | 13.11 | 100 | 76 |
| 13.11 | 16.15 | 97 | 85 |
| 16.15 | 19.20 | 101 | 100 |
| 19.20 | 22.25 | 100 | 97 |
| 22.25 | 25.30 | 99 | 94 |
| 25.30 | 28.34 | 100 | 89 |
| 28.34 | 31.39 | 100 | 92 |
| 31.39 | 34.44 | 97 | 92 |
| 34.44 | 37.49 | 102 | 93 |
| 37.49 | 40.54 | 101 | 97 |
| 40.54 | 42.06 | 100 | 91 |
| 42.06 | 45.11 | 98 | 90 |
| 45.11 | 48.16 | 100 | 89 |
| 48.16 | 51.21 | 100 | 96 |
| 51.21 | 54.25 | 99 | 97 |
| 54.25 | 57.30 | 100 | 98 |
| 57.30 | 60.35 | 99 | 95 |
| 60.35 | 63.40 | 100 | 94 |
| 63.40 | 66.45 | 101 | 96 |
| 66.45 | 69.45 | 99 | 96 |
| 69.45 | 72.54 | 99 | 99 |
| 72.54 | 75.59 | 99 | 68 |
| 75.59 | 78.64 | 100 | 55 |
| 78.64 | 81.69 | 100 | 98 |
| 81.69 | 84.73 | 99 | 97 |
| 84.73 | 87.78 | 101 | 95 |
| 87.78 | 90.83 | 100 | 93 |
| 90.83 | 93.88 | 99 | 72 |
| 93.88 | 96.93 | 100 | 65 |
| 96.93 | 99.97 | 99 | 61 |
| 99.97 | 103.02 | 100 | 73 |
| 103.02 | 106.07 | 100 | 98 |
| 106.07 | 109.12 | 100 | 90 |
| 109.12 | 112.17 | 100 | 97 |
| 112.17 | 115.21 | 100 | 97 |

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 115.21 | 118.26 | 100 | 99 |
| 118.26 | 121.31 | 99 | 87 |
| 121.31 | 124.36 | 100 | 86 |
| 124.36 | 127.41 | 102 | 99 |
| 127.41 | 130.45 | 101 | 89 |
| 130.45 | 133.50 | 98 | 86 |
| 133.50 | 136.55 | 99 | 70 |
| 136.55 | 139.60 | 101 | 98 |
| 139.60 | 142.65 | 99 | 92 |
| 142.65 | 145.69 | 98 | 97 |
| 145.69 | 148.74 | 99 | 95 |
| 148.74 | 151.79 | 101 | 89 |
| 151.79 | 154.84 | 101 | 95 |
| 154.84 | 157.89 | 98 | 93 |
| 157.89 | 160.93 | 101 | 93 |
| 160.93 | 163.98 | 99 | 86 |
| 163.98 | 167.03 | 100 | 87 |
| 167.05 | 170.08 | 100 | 99 |
| 170.08 | 171.60 | 106 | 100 |
| 171.60 | 174.65 | 96 | 95 |
| 174.60 | 177.70 | 99 | 84 |
| 177.70 | 180.75 | 102 | 99 |
| 180.75 | 183.79 | 98 | 96 |
| 183.79 | 186.84 | 101 | 99 |
| 186.84 | 189.89 | 101 | 92 |
| 189.89 | 192.94 | 99 | 76 |
| 192.94 | 195.99 | 99 | 93 |
| 195.99 | 199.03 | 100 | 96 |
| 199.03 | E.O.H | | |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Hole # 04-543

Date Logged: 2004.04.28
Logged By: R.T.

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 0.61 | 100 | 100 |
| 0.61 | 3.66 | 100 | 95 |
| 3.66 | 6.71 | 101 | 91 |
| 6.71 | 9.75 | 101 | 95 |
| 9.75 | 12.80 | 99 | 76 |
| 12.80 | 15.85 | 100 | 87 |
| 15.85 | 17.37 | 100 | 76 |
| 17.37 | 20.42 | 100 | 99 |
| 20.42 | 23.47 | 103 | 90 |
| 23.47 | 26.52 | 97 | 80 |
| 26.52 | 29.57 | 100 | 87 |
| 29.57 | 31.09 | 102 | 90 |
| 31.09 | 34.14 | 98 | 88 |
| 34.14 | 37.19 | 99 | 95 |
| 37.19 | 40.23 | 100 | 75 |
| 40.23 | 43.28 | 99 | 72 |
| 43.28 | 46.33 | 99 | 76 |
| 46.33 | 49.38 | 97 | 95 |
| 49.38 | 52.43 | 103 | 99 |
| 52.43 | 55.47 | 99 | 94 |
| 55.47 | 58.52 | 98 | 91 |
| 58.52 | 61.57 | 99 | 85 |
| 61.57 | 64.62 | 99 | 95 |
| 64.62 | 66.14 | 100 | 100 |
| 66.14 | 67.67 | 94 | 80 |
| 67.67 | 70.71 | 91 | 95 |
| 70.71 | 72.24 | 100 | 90 |
| 72.24 | 75.30 | 96 | 85 |
| 75.30 | 78.33 | 100 | 93 |
| 78.33 | 81.38 | 99 | 86 |
| 81.38 | 82.91 | 96 | 84 |
| 82.91 | 85.95 | 97 | 83 |
| 85.95 | 89.00 | 98 | 98 |
| 89.00 | 92.05 | 100 | 83 |
| 92.05 | 95.10 | 99 | 95 |
| 95.10 | 98.15 | 99 | 87 |
| 98.15 | 101.19 | 100 | 99 |
| 101.19 | 104.24 | 98 | 96 |
| 104.24 | 107.29 | 102 | 79 |
| 107.29 | 110.34 | 98 | 85 |
| 110.34 | 113.39 | 102 | 95 |
| 113.39 | 116.43 | 98 | 96 |
| 116.43 | 119.48 | 100 | 88 |
| 119.48 | 121.01 | 98 | 90 |
| 121.01 | 124.05 | 100 | 55 |
| 124.05 | 127.10 | 101 | 94 |
| 127.10 | 130.15 | 99 | 96 |
| 130.15 | 133.20 | 102 | 99 |
| 133.20 | 136.25 | 99 | 99 |
| 136.25 | 139.29 | 98 | 87 |
| 139.29 | 140.82 | 100 | 90 |
| 140.82 | E.O.H. | | |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Hole # **04-544**

Date Logged: 2004.05.02
Logged By: R.T.

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 5.70 | 100 | 92 |
| 5.70 | 8.53 | 100 | 94 |
| 8.53 | 11.58 | 100 | 87 |
| 11.58 | 13.11 | 99 | 99 |
| 13.11 | 16.16 | 99 | 88 |
| 16.16 | 19.20 | 102 | 95 |
| 19.20 | 22.25 | 99 | 95 |
| 22.25 | 25.30 | 100 | 75 |
| 25.30 | 28.35 | 98 | 91 |
| 28.35 | 31.39 | 100 | 88 |
| 31.39 | 34.44 | 100 | 97 |
| 34.44 | 37.49 | 100 | 66 |
| 37.49 | 40.54 | 99 | 68 |
| 40.54 | 43.59 | 100 | 75 |
| 43.59 | 46.63 | 100 | 74 |
| 46.63 | 49.68 | 96 | 72 |
| 49.68 | 52.73 | 103 | 82 |
| 52.73 | 54.25 | 100 | 70 |
| 54.25 | 57.30 | 100 | 75 |
| 57.30 | 60.35 | 98 | 83 |
| 60.35 | 64.40 | 98 | 73 |
| 64.40 | 66.45 | 101 | 74 |
| 66.45 | 69.49 | 100 | 91 |
| 69.49 | 72.54 | 99 | 70 |
| 72.54 | 75.55 | 99 | 85 |
| 75.55 | 77.11 | 100 | 90 |
| 77.11 | 80.16 | 101 | 77 |
| 80.16 | 81.69 | 102 | 96 |
| 81.69 | 84.73 | 98 | 89 |
| 84.73 | 86.26 | 98 | 74 |
| 86.26 | 89.31 | 99 | 85 |
| 89.31 | 92.35 | 99 | 60 |
| 92.35 | 93.88 | 98 | 76 |
| 93.88 | 96.93 | 100 | 72 |
| 96.93 | 98.45 | 98 | 50 |
| 98.45 | 101.50 | 100 | 36 |
| 101.50 | 103.02 | 100 | 44 |
| 103.02 | 106.07 | 100 | 39 |
| 106.07 | 109.12 | 98 | 66 |
| 109.12 | 112.17 | 98 | 86 |
| 112.17 | 114.60 | 95 | 57 |
| 114.60 | E.O.H. | | |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Hole # **04-545**

Date Logged: 2004.04.30
Logged By: R.T.

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 4.27 | 94 | 84 |
| 4.27 | 5.79 | 106 | 94 |
| 5.79 | 8.84 | 99 | 98 |
| 8.84 | 11.80 | 99 | 93 |
| 11.89 | 14.94 | 96 | 91 |
| 14.94 | 17.98 | 103 | 100 |
| 17.98 | 21.03 | 95 | 90 |
| 21.03 | 24.08 | 98 | 96 |
| 24.08 | 27.13 | 99 | 97 |
| 27.13 | 28.65 | 100 | 98 |
| 28.65 | 31.70 | 101 | 93 |
| 31.70 | 34.75 | 9.9 | 61 |
| 34.75 | 37.80 | 102 | 73 |
| 37.80 | 40.84 | 101 | 82 |
| 40.84 | 42.37 | 98 | 95 |
| 42.37 | 45.41 | 99 | 67 |
| 45.41 | 48.46 | 101 | 90 |
| 48.46 | 51.51 | 99 | 79 |
| 51.51 | 54.56 | 100 | 84 |
| 54.56 | 57.61 | 100 | 75 |
| 57.61 | 59.13 | 100 | 72 |
| 59.13 | 62.18 | 100 | 75 |
| 62.18 | 65.23 | 99 | 92 |
| 65.23 | 68.27 | 98 | 88 |
| 68.27 | 69.80 | 100 | 50 |
| 69.80 | 72.85 | 100 | 85 |
| 72.85 | 75.89 | 100 | 93 |
| 75.89 | 78.94 | 99 | 96 |
| 78.94 | 81.99 | 101 | 98 |
| 81.94 | 85.04 | 100 | 97 |
| 85.04 | 88.09 | 101 | 99 |
| 88.09 | 91.13 | 99 | 99 |
| 91.13 | 94.18 | 101 | 98 |
| 94.18 | 97.23 | 102 | 99 |
| 97.23 | 100.27 | 98 | 92 |
| 100.27 | 103.33 | 99 | 96 |
| 103.33 | 106.37 | 101 | 96 |
| 106.37 | 109.42 | 102 | 83 |
| 109.42 | 112.47 | 97 | 80 |

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 112.47 | 115.57 | | 88 |
| 115.57 | 117.04 | 100 | 80 |
| 117.04 | 120.09 | 101 | 88 |
| 120.09 | 123.14 | 99 | 98 |
| 123.14 | 126.19 | 100 | 95 |
| 126.19 | 129.23 | 100 | 95 |
| 129.23 | 132.28 | 98 | 96 |
| 132.28 | 135.33 | 100 | 79 |
| 135.33 | 138.40 | 99 | 88 |
| 138.40 | 141.43 | 100 | 96 |
| 141.43 | E.O.H. | | |

## Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Date Logged: 2004.05.01
Logged By: R.T.

Hole # **04-546**

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 4.27 | 96 | 94 |
| 4.27 | 5.79 | 100 | 100 |
| 5.79 | 7.32 | 102 | 84 |
| 7.32 | 8.84 | 96 | 96 |
| 8.84 | 10.36 | 98 | 98 |
| 10.36 | 13.41 | 100 | 88 |
| 13.41 | 16.46 | 99 | 94 |
| 16.46 | 19.51 | 101 | 96 |
| 19.51 | 22.56 | 100 | 98 |
| 22.56 | 25.60 | 100 | 100 |
| 25.60 | 28.65 | 97 | 96 |
| 28.65 | 31.70 | 103 | 100 |
| 31.70 | 33.22 | 100 | 90 |
| 33.22 | 36.27 | 100 | 84 |
| 36.27 | 39.32 | 100 | 87 |
| 39.32 | 42.37 | 100 | 92 |
| 42.37 | 54.42 | 100 | 92 |
| 45.42 | 48.46 | 100 | 83 |
| 48.46 | 51.51 | 101 | 92 |
| 51.51 | 54.56 | 99 | 96 |
| 54.56 | 57.61 | 100 | 96 |
| 57.61 | 60.66 | 100 | 95 |
| 60.66 | 63.70 | 100 | 100 |
| 63.70 | 66.75 | 100 | 86 |
| 66.75 | 69.80 | 100 | 75 |
| 69.80 | 71.32 | 98 | 84 |
| 71.32 | 74.37 | 100 | 91 |
| 74.37 | 77.42 | 102 | 73 |
| 77.42 | 80.47 | 100 | 58 |
| 80.47 | 83.52 | 100 | 86 |
| 83.52 | 86.56 | 99 | 66 |
| 86.56 | 88.09 | 100 | 88 |
| 88.09 | 91.14 | 95 | 82 |
| 91.14 | E.O.H. | | |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Hole # 04-547

Date Logged: 2004.05.05
Logged By: R.T.

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 3.66 | 89 | 83 |
| 3.66 | 6.71 | 100 | 97 |
| 6.71 | 9.75 | 100 | 84 |
| 9.75 | 12.80 | 100 | 94 |
| 12.80 | 15.85 | 100 | 98 |
| 15.85 | 18.70 | 96 | 93 |
| 18.70 | 21.95 | 101 | 97 |
| 21.95 | 25.00 | 101 | 94 |
| 25.00 | 28.04 | 100 | 99 |
| 28.04 | 31.09 | 98 | 96 |
| 31.09 | 34.14 | 100 | 99 |
| 34.14 | 37.19 | 95 | 94 |
| 37.19 | 40.03 | 101 | 99 |
| 40.23 | 43.28 | 101 | 100 |
| 43.28 | 46.33 | 99 | 96 |
| 46.33 | 47.83 | 104 | 100 |
| 47.83 | 50.90 | 100 | 99 |
| 50.90 | 53.93 | 97 | 93 |
| 53.93 | 57.00 | 102 | 91 |
| 57.00 | 60.05 | 99 | 95 |
| 60.05 | 63.09 | 101 | 100 |
| 63.09 | 66.14 | 99 | 95 |
| 66.14 | 69.19 | 101 | 97 |
| 69.19 | 72.24 | 99 | 99 |
| 72.24 | 75.29 | 99 | 97 |
| 75.29 | 78.33 | 101 | 90 |
| 78.33 | 79.86 | 98 | 82 |
| 79.86 | 82.91 | 99 | 86 |
| 82.91 | 85.95 | 100 | 70 |
| 85.95 | 89.00 | 100 | 97 |
| 89.00 | 92.05 | 100 | 95 |
| 92.05 | 95.10 | 100 | 97 |
| 95.10 | 98.15 | 100 | 94 |
| 98.15 | 101.19 | 100 | 85 |
| 101.19 | 104.24 | 98 | 93 |
| 104.24 | 105.77 | 99 | 92 |
| 105.77 | 108.80 | 101 | 97 |
| 108.80 | 111.86 | 101 | 96 |
| 111.86 | 114.91 | 101 | 88 |

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 114.91 | 117.96 | 100 | 98 |
| 117.96 | 121.01 | 100 | 98 |
| 121.01 | 124.05 | 100 | 90 |
| 124.05 | 127.10 | 100 | 91 |
| 127.10 | 128.63 | 101 | 98 |
| 128.63 | E.O.H. | | |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Hole # **04-548**

Date Logged: 2004.05.07
Logged By: R.T.

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 0.93 | 96 | 70 |
| 0.93 | 2.44 | 101 | 82 |
| 2.44 | 3.96 | 101 | 96 |
| 3.96 | 5.49 | 102 | 98 |
| 5.49 | 7.01 | 100 | 98 |
| 7.01 | 8.53 | 100 | 72 |
| 8.53 | 10.06 | 100 | 90 |
| 10.06 | 16.58 | 98 | 86 |
| 11.58 | 13.10 | 102 | 100 |
| 13.10 | 14.63 | 98 | 98 |
| 14.63 | 16.15 | 100 | 90 |
| 16.15 | 17.68 | 100 | 90 |
| 17.68 | 19.20 | 98 | 92 |
| 19.20 | 20.73 | 100 | 66 |
| 20.73 | 22.25 | 100 | 100 |
| 22.25 | 23.74 | 98 | 90 |
| 23.74 | 25.30 | 102 | 90 |
| 25.30 | 26.82 | 100 | 96 |
| 26.82 | 28.35 | 100 | 84 |
| 28.35 | 29.87 | 102 | 96 |
| 29.87 | 31.39 | 96 | 90 |
| 31.39 | 32.92 | 98 | 88 |
| 32.92 | 34.44 | 102 | 50 |
| 34.44 | 35.97 | 102 | 90 |
| 35.97 | 37.49 | 96 | 88 |
| 37.49 | 39.01 | 102 | 54 |
| 39.01 | 40.54 | 98 | 84 |
| 40.54 | 42.06 | 104 | 100 |
| 42.06 | 43.59 | 100 | 100 |
| 43.59 | 45.11 | 100 | 62 |
| 45.46 | 46.63 | 100 | 100 |
| 46.63 | 48.16 | 100 | 90 |
| 48.16 | 49.68 | 98 | 98 |
| 49.68 | 51.21 | 100 | 88 |
| 51.21 | 52.73 | 100 | 96 |
| 52.73 | 54.25 | 96 | 84 |
| 54.25 | 55.78 | 104 | 82 |
| 55.78 | 57.30 | 100 | 94 |
| 57.30 | 58.83 | 102 | 92 |

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 58.83 | 60.35 | 98 | 86 |
| 60.35 | 61.87 | 100 | 82 |
| 61.87 | 63.40 | 102 | 76 |
| 63.40 | 64.92 | 98 | 84 |
| 64.92 | 66.45 | 98 | 94 |
| 66.45 | 67.97 | 100 | 88 |
| 67.97 | 69.49 | 100 | 82 |
| 69.49 | 71.02 | 102 | 66 |
| 71.02 | 72.54 | 102 | 83 |
| 72.54 | 74.07 | 100 | 96 |
| 74.07 | 75.59 | 100 | 88 |
| 75.59 | 77.11 | 94 | 90 |
| 77.11 | E.O.H. | | |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Hole # **04-549**

Date Logged: 2004.05.06
Logged By: R.T.

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 2.74 | 98 | 94 |
| 2.74 | 4.27 | 100 | 100 |
| 4.27 | 7.32 | 99 | 99 |
| 7.32 | 10.36 | 102 | 99 |
| 10.30 | 13.41 | 99 | 89 |
| 13.41 | 16.46 | 100 | 91 |
| 16.46 | 19.51 | 101 | 100 |
| 19.51 | 22.56 | 97 | 91 |
| 22.56 | 25.60 | 103 | 95 |
| 25.60 | 28.65 | 100 | 100 |
| 28.65 | 31.70 | 98 | 82 |
| 31.70 | 34.75 | 100 | 91 |
| 34.75 | 37.80 | 87 | 66 |
| 37.80 | 40.84 | 100 | 39 |
| 40.84 | 43.89 | 99 | 53 |
| 43.89 | 45.42 | 100 | 88 |
| 45.42 | 48.46 | 100 | 85 |
| 48.46 | 51.51 | 100 | 92 |
| 51.51 | 53.04 | 100 | 92 |
| 53.04 | 56.08 | 100 | 98 |
| 56.08 | 59.13 | 100 | 77 |
| 59.13 | 62.18 | 100 | 85 |
| 62.18 | 65.23 | 100 | 86 |
| 65.23 | 66.75 | 102 | 82 |
| 66.75 | 69.80 | 98 | 48 |
| 69.80 | 72.85 | 102 | 61 |
| 72.85 | 75.90 | 98 | 42 |
| 75.90 | 78.94 | 100 | 28 |
| 78.94 | 80.47 | 104 | 84 |
| 80.47 | 83.52 | 96 | 64 |
| 83.53 | 86.56 | 100 | 71 |
| 86.56 | 89.60 | 100 | 55 |
| 89.60 | 92.66 | 97 | 57 |
| 92.66 | 95.71 | 103 | 54 |
| 95.71 | 98.76 | 100 | 92 |
| 98.76 | 101.80 | 99 | 78 |
| 101.80 | 104.85 | 101 | 93 |
| 104.85 | 107.90 | 100 | 87 |
| 107.90 | 110.95 | 97 | 56 |

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 110.95 | 114.00 | 99 | 72 |
| 114.00 | 117.04 | 103 | 65 |
| 117.04 | 120.09 | 101 | 65 |
| 120.09 | 121.62 | 98 | 46 |
| 121.62 | 124.66 | 99 | 61 |
| 124.66 | 126.19 | 102 | 30 |
| 126.19 | 129.23 | 98 | 26 |
| 129.23 | 132.28 | 100 | 36 |
| 132.28 | 135.33 | 101 | 88 |
| 135.33 | 138.38 | 100 | 87 |
| 138.38 | 141.43 | 100 | 56 |
| 141.43 | 144.48 | 100 | 38 |
| 144.48 | E.O.H. | 97 | 45 |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Hole # **04-550**

Date Logged: 2004.05.08
Logged By: R.T.

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 1.22 | 92 | 70 |
| 1.22 | 2.74 | 100 | 91 |
| 2.74 | 4.27 | 100 | 88 |
| 4.27 | 7.32 | 98 | 90 |
| 7.32 | 8.84 | 100 | 100 |
| 8.84 | 11.89 | 102 | 98 |
| 11.89 | 14.94 | 102 | 93 |
| 14.94 | 17.98 | 100 | 97 |
| 17.98 | 21.03 | 98 | 82 |
| 21.03 | 24.08 | 97 | 97 |
| 24.08 | 27.13 | 103 | 95 |
| 27.13 | 30.18 | 100 | 88 |
| 30.18 | 33.22 | 100 | 72 |
| 33.22 | 36.27 | 100 | 89 |
| 36.27 | 39.32 | 100 | 86 |
| 39.32 | 42.38 | 98 | 93 |
| 42.38 | 45.42 | 100 | 95 |
| 45.42 | 48.46 | 101 | 98 |
| 48.46 | 51.51 | 101 | 99 |
| 51.51 | 54.56 | 100 | 98 |
| 54.56 | 57.61 | 100 | 96 |
| 57.61 | 60.66 | 99 | 97 |
| 60.66 | 63.70 | 101 | 97 |
| 63.70 | 66.75 | 100 | 91 |
| 66.75 | 69.80 | 100 | 92 |
| 69.80 | 72.85 | 100 | 93 |
| 72.85 | 75.90 | 98 | 87 |
| 75.90 | 78.94 | 99 | 47 |
| 78.94 | 77.42 | 98 | 46 |
| 77.42 | 81.99 | 100 | 76 |
| 81.99 | 85.04 | 96 | 79 |
| 85.04 | 88.09 | 100 | 98 |
| 88.09 | 91.14 | 100 | 84 |
| 91.14 | 94.18 | 100 | 75 |
| 94.18 | 97.23 | 102 | 86 |
| 97.23 | 100.28 | 98 | 68 |
| 100.28 | 101.80 | 102 | 92 |
| 101.80 | 104.85 | 100 | 90 |
| 104.85 | 106.38 | 100 | 54 |

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 106.38 | 109.42 | 100 | 82 |
| 109.42 | 112.47 | 101 | 83 |
| 112.47 | 115.52 | 99 | 61 |
| 115.52 | 118.57 | 95 | 78 |
| 118.57 | 121.62 | 99 | 69 |
| 121.62 | 124.66 | 98 | 78 |
| 124.66 | 127.71 | 102 | 75 |
| 127.71 | 129.24 | 104 | 78 |
| 129.24 | 132.28 | 98 | 76 |
| 132.28 | 133.81 | 100 | 86 |
| 133.81 | 136.86 | 102 | 90 |
| 136.86 | 139.90 | 96 | 52 |
| 139.90 | E.O.H. | | |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Hole # **04-551**

Date Logged: 2004.05.09
Logged By: R.T.

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 1.53 | 98 | 80 |
| 1.53 | 4.57 | 96 | 87 |
| 4.57 | 6.10 | 100 | 100 |
| 6.10 | 9.14 | 97 | 97 |
| 9.14 | 12.19 | 98 | 93 |
| 12.19 | 15.24 | 100 | 75 |
| 15.24 | 18.29 | 100 | 97 |
| 18.29 | 21.34 | 100 | 92 |
| 21.34 | 24.38 | 99 | 97 |
| 24.38 | 27.43 | 99 | 95 |
| 27.43 | 30.48 | 101 | 86 |
| 30.48 | 33.53 | 98 | 88 |
| 33.53 | 36.58 | 102 | 43 |
| 36.58 | 39.62 | 100 | 52 |
| 39.62 | 41.15 | 100 | 36 |
| 41.15 | 44.20 | 100 | 40 |
| 44.20 | 45.72 | 90 | 87 |
| 45.72 | 48.77 | 100 | 70 |
| 48.77 | 51.82 | 100 | 64 |
| 51.82 | 54.86 | 99 | 63 |
| 5486.00 | 56.56 | 100 | 44 |
| 56.56 | 59.44 | 100 | 45 |
| 59.44 | 60.96 | 102 | 77 |
| 60.96 | 64.01 | 98 | 63 |
| 64.01 | 65.53 | 100 | 66 |
| 65.53 | 68.58 | 100 | 44 |
| 68.58 | 70.10 | 100 | 16 |
| 70.10 | 73.15 | 100 | 67 |
| 73.15 | 74.68 | 100 | 35 |
| 74.68 | 76.20 | 98 | 17 |
| 76.20 | 79.25 | 100 | 67 |
| 79.25 | 82.30 | 102 | 51 |
| 82.30 | 83.82 | 96 | 72 |
| 83.82 | 86.87 | 100 | 61 |
| 86.87 | 89.92 | 101 | 65 |
| 89.92 | 94.49 | 100 | 88 |
| 94.49 | 97.54 | 100 | 90 |
| 97.54 | 100.58 | 99 | 91 |
| 100.58 | 103.63 | 100 | 81 |

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 103.63 | 106.68 | 100 | 94 |
| 106.68 | 109.73 | 99 | 97 |
| 109.73 | 112.78 | 99 | 87 |
| 112.78 | 115.82 | 101 | 65 |
| 115.82 | 118.87 | 100 | 75 |
| 118.87 | 121.92 | 100 | 82 |
| 121.93 | 123.44 | 102 | 90 |
| 123.44 | 126.49 | 99 | 85 |
| 126.49 | 129.54 | 99 | 64 |
| 129.54 | 131.06 | 100 | 70 |
| 131.06 | 134.11 | 100 | 63 |
| 134.11 | 135.64 | 100 | 24 |
| 135.64 | E.O.H. | | |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Hole # **04-552**

Date Logged: 2004.05.12
Logged By: R.T.

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 4.27 | 100 | 97 |
| 4.27 | 7.32 | 99 | 99 |
| 7.32 | 10.36 | 100 | 97 |
| 10.36 | 13.41 | 99 | 96 |
| 13.41 | 16.46 | 101 | 97 |
| 16.46 | 19.51 | 100 | 99 |
| 19.51 | 22.56 | 100 | 99 |
| 22.56 | 25.60 | 101 | 99 |
| 25.60 | 28.65 | 99 | 97 |
| 28.65 | 31.70 | 100 | 96 |
| 31.70 | 34.75 | 99 | 99 |
| 34.75 | 37.80 | 101 | 100 |
| 37.80 | 40.84 | 98 | 98 |
| 40.84 | 43.89 | 101 | 95 |
| 43.89 | 46.94 | 101 | 97 |
| 46.94 | 50.00 | 100 | 98 |
| 50.00 | 53.04 | 100 | 92 |
| 53.04 | 56.08 | 100 | 93 |
| 56.08 | 59.13 | 99 | 99 |
| 59.13 | 62.18 | 101 | 86 |
| 62.18 | 65.23 | 99 | 99 |
| 65.23 | 68.28 | 99 | 97 |
| 68.28 | 71.32 | 102 | 100 |
| 71.32 | 74.37 | 101 | 98 |
| 74.37 | 77.42 | 100 | 96 |
| 77.42 | 80.47 | 99 | 92 |
| 80.47 | 83.52 | 99 | 95 |
| 83.52 | 86.56 | 100 | 65 |
| 86.56 | 88.09 | 100 | 76 |
| 88.09 | 91.14 | 100 | 89 |
| 91.14 | 94.18 | 99 | 81 |
| 94.18 | 97.23 | 100 | 82 |
| 97.23 | 100.28 | 101 | 78 |
| 100.28 | 103.33 | 99 | 86 |
| 103.33 | 106.38 | 100 | 90 |
| 106.38 | 109.43 | 100 | 89 |
| 109.43 | 112.47 | 102 | 100 |
| 112.40 | 115.52 | 101 | 93 |
| 115.52 | 118.57 | 99 | 99 |
| 118.57 | 121.62 | 99 | 99 |
| 121.62 | 124.66 | 101 | 96 |
| 124.66 | 126.49 | 105 | 98 |
| 126.49 | E.O.H. | | |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Hole # 04-553

Date Logged: 2004.05.17
Logged By: R.T.

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 4.27 | 97 | 83 |
| 4.27 | 7.32 | 100 | 81 |
| 7.32 | 10.36 | 101 | 95 |
| 10.36 | 13.41 | 99 | 98 |
| 13.41 | 16.46 | 100 | 97 |
| 16.46 | 19.51 | 100 | 99 |
| 19.51 | 22.56 | 101 | 98 |
| 22.56 | 25.60 | 100 | 96 |
| 25.60 | 28.65 | 101 | 97 |
| 28.65 | 30.18 | 99 | 92 |
| 30.18 | 33.22 | 99 | 96 |
| 33.22 | 36.27 | 102 | 95 |
| 36.27 | 39.32 | 100 | 89 |
| 39.32 | 42.37 | 100 | 92 |
| 42.37 | 45.42 | 100 | 88 |
| 45.42 | 48.46 | 98 | 98 |
| 48.46 | 51.51 | 102 | 96 |
| 51.51 | 54.56 | 101 | 98 |
| 54.56 | 57.61 | 103 | 96 |
| 57.61 | 60.66 | 99 | 94 |
| 60.66 | 63.70 | 99 | 95 |
| 63.70 | 66.75 | 98 | 94 |
| 66.75 | 69.80 | 101 | 95 |
| 69.80 | 72.85 | 99 | 92 |
| 72.85 | 74.37 | 106 | 99 |
| 74.37 | 77.42 | 97 | 80 |
| 77.42 | 80.47 | 102 | 98 |
| 80.47 | 83.52 | 100 | 99 |
| 83.52 | 86.56 | 100 | 98 |
| 86.56 | 89.61 | 99 | 98 |
| 89.61 | 92.66 | 101 | 97 |
| 92.66 | 95.71 | 99 | 99 |
| 95.71 | 98.76 | 100 | 96 |
| 98.76 | 101.80 | 101 | 92 |
| 101.80 | 104.85 | 100 | 94 |
| 104.85 | 107.90 | 99 | 97 |
| 107.90 | 110.95 | 100 | 97 |
| 110.95 | 114.00 | 100 | 97 |
| 114.00 | 117.04 | 98 | 96 |

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 117.04 | 120.09 | 100 | 100 |
| 120.09 | 123.14 | 102 | 100 |
| 123.14 | 126.19 | 100 | 100 |
| 126.19 | 129.24 | 100 | 100 |
| 129.24 | 132.28 | 100 | 100 |
| 132.28 | 135.33 | 99 | 99 |
| 135.33 | 138.38 | 101 | 100 |
| 138.38 | 141.43 | 100 | 90 |
| 141.43 | 144.48 | 99 | 98 |
| 144.48 | 147.52 | 100 | 97 |
| 147.52 | 150.57 | 101 | 99 |
| 150.57 | 153.62 | 100 | 99 |
| 153.62 | 156.67 | 100 | 95 |
| 156.67 | 159.72 | 100 | 92 |
| 159.72 | 162.76 | 100 | 97 |
| 162.76 | 165.81 | 98 | 94 |
| 165.81 | 168.86 | 100 | 96 |
| 168.85 | 171.91 | 99 | 81 |
| 171.91 | 173.43 | 100 | 94 |
| 173.43 | 174.96 | 100 | 96 |
| 174.96 | 178.00 | 105 | 82 |
| 178.00 | 181.05 | 95 | 59 |
| 181.05 | 184.10 | 103 | 91 |
| 184.10 | 187.15 | 101 | 95 |
| 187.15 | 190.20 | 98 | 96 |
| 190.20 | 193.24 | 100 | 96 |
| 193.24 | 196.29 | 96 | 96 |
| 196.29 | 199.34 | 102 | 85 |
| 199.34 | 202.39 | 101 | 93 |
| 202.39 | 205.44 | 102 | 98 |
| 205.44 | 208.48 | 101 | 91 |
| 208.48 | 211.53 | 99 | 99 |
| 211.53 | 214.58 | 101 | 90 |
| 214.59 | 217.63 | 101 | 76 |
| 217.63 | 220.68 | 104 | 61 |
| 220.68 | 223.72 | 100 | 45 |
| 223.72 | 226.77 | 100 | 75 |
| 226.77 | 229.82 | 101 | 36 |
| 229.82 | 232.87 | 100 | 30 |

## Table 12 - Rock Quality Designation (RQD) and Core Recovery

Hole # 04-553

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 232.87 | 235.92 | 100 | 33 |
| 235.92 | 238.96 | 100 | 41 |
| 238.96 | 242.01 | 98 | 52 |
| 242.01 | 245.06 | 97 | 38 |
| 245.06 | 249.63 | 105 | 36 |
| 249.63 | E.O.H. | | |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Hole # **04-554**

Date Logged: 2004.05.20
Logged By: R.T.

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 0.61 | 100 | 100 |
| 0.61 | 2.13 | 100 | 97 |
| 2.13 | 5.18 | 100 | 94 |
| 5.18 | 8.23 | 100 | 98 |
| 8.23 | 11.28 | 99 | 99 |
| 11.28 | 14.33 | 100 | 91 |
| 14.33 | 17.37 | 101 | 98 |
| 17.37 | 20.42 | 100 | 97 |
| 20.42 | 23.47 | 101 | 96 |
| 23.47 | 26.52 | 99 | 97 |
| 26.52 | 29.57 | 100 | 95 |
| 29.57 | 32.61 | 98 | 94 |
| 32.61 | 35.66 | 102 | 97 |
| 35.66 | 38.71 | 99 | 98 |
| 38.71 | 41.76 | 101 | 97 |
| 41.76 | 44.81 | 99 | 96 |
| 44.81 | 47.85 | 100 | 96 |
| 47.85 | 50.90 | 101 | 98 |
| 50.90 | 53.95 | 102 | 97 |
| 53.95 | 57.00 | 98 | 78 |
| 57.00 | 60.05 | 101 | 91 |
| 60.05 | 63.09 | 100 | 97 |
| 63.09 | 66.14 | 99 | 98 |
| 66.14 | 69.19 | 100 | 95 |
| 69.19 | 72.24 | 99 | 81 |
| 72.24 | 75.29 | 100 | 89 |
| 75.29 | 78.33 | 100 | 88 |
| 78.33 | 81.38 | 99 | 59 |
| 81.38 | 84.43 | 101 | 64 |
| 84.43 | 87.48 | 100 | 69 |
| 87.48 | 90.53 | 100 | 62 |
| 90.53 | 93.57 | 102 | 79 |
| 93.57 | 96.62 | 98 | 22 |
| 96.62 | 99.67 | 100 | 34 |
| 99.67 | 102.72 | 100 | 25 |
| 102.72 | 105.77 | 97 | 41 |
| 105.77 | 108.81 | 99 | 24 |
| 108.81 | 110.34 | 100 | 36 |
| 110.34 | 113.39 | 100 | 60 |

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 113.39 | 116.43 | 100 | 38 |
| 116.43 | 119.48 | 100 | 23 |
| 119.48 | 122.53 | 98 | 52 |
| 122.53 | 125.58 | 101 | 45 |
| 125.58 | 128.63 | 101 | 75 |
| 128.63 | 131.67 | 100 | 48 |
| 131.67 | 134.72 | 100 | 71 |
| 134.72 | 140.82 | 102 | 79 |
| 140.82 | 143.87 | 100 | 87 |
| 143.87 | 146.91 | 100 | 79 |
| 146.91 | 149.96 | 100 | 50 |
| 149.96 | 153.01 | 101 | 93 |
| 153.01 | 156.06 | 100 | 80 |
| 156.06 | 159.11 | 100 | 51 |
| 159.11 | 162.15 | 99 | 45 |
| 162.15 | 165.20 | 101 | 56 |
| 165.20 | 168.25 | 100 | 73 |
| 168.25 | 171.30 | 101 | 86 |
| 171.30 | 174.35 | 101 | 85 |
| 174.35 | 177.39 | 103 | 66 |
| 177.39 | 180.44 | 99 | 49 |
| 180.44 | 183.49 | 99 | 89 |
| 183.49 | 186.54 | 100 | 81 |
| 186.54 | 189.59 | 100 | 87 |
| 189.59 | 192.63 | 99 | 56 |
| 192.63 | 194.16 | 100 | 52 |
| 194.16 | 195.68 | 100 | 42 |
| 195.68 | 198.73 | 100 | 52 |
| 198.73 | 200.25 | 96 | 70 |
| 200.25 | E.O.H. | | |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Hole # 04-555

Date Logged: 2004.05.26
Logged By: R.T.

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 0.30 | 100 | 50 |
| 0.30 | 3.35 | 96 | 95 |
| 3.35 | 4.88 | 107 | 96 |
| 4.88 | 7.92 | 98 | 97 |
| 7.92 | 10.97 | 93 | 92 |
| 10.97 | 14.02 | 111 | 94 |
| 14.02 | 17.07 | 102 | 96 |
| 17.07 | 20.12 | 102 | 93 |
| 20.12 | 23.16 | 99 | 97 |
| 23.16 | 26.21 | 99 | 95 |
| 26.21 | 29.26 | 101 | 96 |
| 29.26 | 32.31 | 100 | 97 |
| 32.31 | 35.36 | 100 | 96 |
| 35.36 | 38.40 | 95 | 93 |
| 38.40 | 41.45 | 101 | 96 |
| 41.45 | 44.50 | 102 | 97 |
| 44.50 | 47.57 | 102 | 96 |
| 47.57 | 50.60 | 101 | 99 |
| 50.60 | 53.65 | 102 | 93 |
| 53.65 | 56.70 | 100 | 100 |
| 56.70 | 59.74 | 96 | 94 |
| 59.74 | 62.79 | 104 | 92 |
| 62.79 | 65.84 | 99 | 97 |
| 65.84 | 68.88 | 103 | 98 |
| 68.88 | 71.93 | 100 | 94 |
| 71.93 | 74.98 | 99 | 94 |
| 74.98 | 78.03 | 100 | 99 |
| 78.03 | 81.08 | 100 | 74 |
| 81.08 | 84.13 | 102 | 93 |
| 84.13 | 87.17 | 101 | 75 |
| 87.17 | 90.22 | 100 | 94 |
| 90.22 | 93.27 | 99 | 82 |
| 93.27 | 96.32 | 101 | 81 |
| 96.32 | 99.36 | 99 | 83 |
| 99.36 | 102.41 | 100 | 64 |
| 102.41 | 105.46 | 100 | 26 |
| 105.46 | 106.99 | 100 | 70 |
| 106.99 | 110.03 | 102 | 69 |
| 110.03 | 113.08 | 95 | 67 |

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 113.08 | 116.13 | 103 | 81 |
| 116.13 | 117.65 | 98 | 50 |
| 117.65 | 120.70 | 104 | 56 |
| 120.70 | 122.20 | 98 | 30 |
| 122.20 | 125.27 | 102 | 55 |
| 125.27 | 128.32 | 97 | 35 |
| 128.32 | 129.84 | 96 | 50 |
| 129.84 | 132.89 | 96 | 47 |
| 132.89 | 137.46 | 99 | 20 |
| 137.46 | 140.51 | 80 | 28 |
| 140.51 | 143.56 | 92 | 24 |
| 143.56 | 146.61 | 93 | 33 |
| 146.61 | E.O.H. | | |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Hole # 04-556

Date Logged: 2004.05.30
Logged By: RT

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 0.61 | 13 | 0 |
| 0.61 | 2.74 | 65 | 63 |
| 2.74 | 5.79 | 100 | 73 |
| 5.79 | 8.84 | 99 | 95 |
| 8.84 | 11.89 | 100 | 97 |
| 11.89 | 14.94 | 99 | 96 |
| 14.94 | 17.98 | 103 | 93 |
| 17.98 | 21.03 | 102 | 98 |
| 21.03 | 24.08 | 100 | 97 |
| 24.08 | 27.13 | 99 | 99 |
| 27.13 | 30.18 | 101 | 98 |
| 30.18 | 33.22 | 100 | 96 |
| 33.22 | 34.75 | 98 | 98 |
| 34.75 | 37.80 | 109 | 99 |
| 37.80 | 40.80 | 91 | 72 |
| 40.80 | 43.89 | 101 | 97 |
| 43.89 | 46.94 | 100 | 92 |
| 46.94 | 49.99 | 99 | 97 |
| 49.99 | 53.04 | 100 | 94 |
| 53.04 | 56.08 | 100 | 93 |
| 56.08 | 59.13 | 100 | 96 |
| 59.13 | 62.18 | 101 | 76 |
| 62.18 | 65.23 | 101 | 93 |
| 65.23 | 68.28 | 100 | 95 |
| 68.28 | 71.32 | 100 | 53 |
| 71.32 | 74.37 | 99 | 52 |
| 74.37 | 77.42 | 100 | 88 |
| 77.42 | 78.94 | 100 | 90 |
| 78.94 | 81.99 | 98 | 95 |
| 81.99 | 85.04 | 102 | 86 |
| 85.04 | 88.09 | 100 | 79 |
| 88.09 | 91.14 | 101 | 89 |
| 91.14 | 94.18 | 99 | 87 |
| 94.18 | 97.23 | 100 | 91 |
| 97.23 | 100.28 | 99 | 72 |
| 100.28 | 103.33 | 102 | 95 |
| 103.33 | 106.38 | 102 | 95 |
| 106.38 | 109.42 | 100 | 93 |
| 109.42 | 110.95 | 99 | 88 |
| 110.95 | 114.00 | 101 | 86 |
| 114.00 | 117.04 | 99 | 85 |
| 117.04 | 120.09 | 101 | 82 |
| 120.09 | 123.14 | 100 | 92 |
| 123.14 | 126.19 | 101 | 70 |
| 126.19 | 129.24 | 98 | 89 |
| 129.24 | 130.45 | 105 | 95 |
| 130.45 | E.O.H. | | |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Date Logged: 2004.05.30
Logged By: R.T.

Hole # 04-557

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 0.61 | 0 | 0 |
| 0.61 | 2.13 | 104 | 67 |
| 2.13 | 4.27 | 76 | 71 |
| 4.27 | 7.31 | 102 | 90 |
| 7.31 | 10.36 | 101 | 97 |
| 10.36 | 13.41 | 102 | 98 |
| 13.41 | 16.45 | 99 | 98 |
| 16.45 | 19.51 | 101 | 97 |
| 19.51 | 22.55 | 98 | 94 |
| 22.55 | 25.60 | 101 | 77 |
| 25.60 | 28.65 | 98 | 94 |
| 28.65 | 31.70 | 101 | 97 |
| 31.70 | 34.75 | 100 | 98 |
| 34.75 | 37.79 | 101 | 97 |
| 37.79 | 40.84 | 101 | 96 |
| 40.84 | 43.89 | 97 | 46 |
| 43.89 | 46.94 | 102 | 94 |
| 46.94 | 49.99 | 101 | 97 |
| 49.99 | 53.03 | 100 | 64 |
| 53.03 | 56.08 | 99 | 72 |
| 56.08 | 59.13 | 104 | 92 |
| 59.13 | 62.18 | 101 | 99 |
| 62.18 | 65.23 | 102 | 99 |
| 65.23 | 68.27 | 100 | 97 |
| 68.27 | 71.32 | 101 | 89 |
| 71.32 | 74.36 | 100 | 91 |
| 74.36 | 77.42 | 98 | 95 |
| 77.42 | 80.47 | 99 | 96 |
| 80.47 | 83.51 | 100 | 77 |
| 83.51 | 86.56 | 100 | 85 |
| 86.56 | 89.61 | 100 | 81 |
| 89.61 | 92.66 | 102 | 100 |
| 92.66 | 95.71 | 99 | 96 |
| 95.71 | 98.76 | 100 | 94 |
| 98.76 | 101.80 | 99 | 94 |
| 101.80 | 104.85 | 100 | 96 |
| 104.85 | E.O.H. | | |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Hole # **04-558**

Date Logged: 2004.06.01
Logged By: R.T.

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 0.91 | 103 | 76 |
| 0.91 | 2.44 | 100 | 62 |
| 2.44 | 5.49 | 102 | 85 |
| 5.49 | 8.53 | 100 | 94 |
| 8.53 | 11.58 | 100 | 95 |
| 11.58 | 14.64 | 100 | 97 |
| 14.64 | 17.68 | 101 | 80 |
| 17.68 | 20.73 | 101 | 69 |
| 20.73 | 23.77 | 100 | 84 |
| 23.77 | 26.83 | 99 | 86 |
| 26.83 | 29.87 | 99 | 91 |
| 29.87 | 32.93 | 98 | 79 |
| 32.93 | 35.97 | 102 | 90 |
| 35.97 | 39.01 | 102 | 93 |
| 39.01 | 42.06 | 98 | 92 |
| 42.06 | 45.11 | 102 | 90 |
| 45.11 | 48.16 | 100 | 96 |
| 48.16 | 51.21 | 98 | 98 |
| 51.21 | 55.78 | 100 | 82 |
| 55.78 | 58.83 | 100 | 94 |
| 58.83 | 61.87 | 100 | 98 |
| 61.87 | 64.92 | 101 | 99 |
| 64.92 | 67.97 | 99 | 96 |
| 67.97 | 71.02 | 101 | 100 |
| 71.02 | 74.07 | 99 | 99 |
| 74.07 | 77.11 | 100 | 99 |
| 77.11 | 80.16 | 100 | 97 |
| 80.16 | 83.21 | 102 | 99 |
| 83.21 | 86.26 | 100 | 89 |
| 86.26 | 89.31 | 100 | 78 |
| 89.31 | 92.35 | 101 | 86 |
| 92.35 | 95.40 | 98 | 95 |
| 95.40 | 98.45 | 100 | 90 |
| 98.45 | 101.50 | 100 | 96 |
| 101.50 | 104.55 | 100 | 97 |
| 104.55 | 107.59 | 101 | 98 |
| 107.59 | 110.64 | 101 | 97 |
| 110.64 | 113.69 | 98 | 94 |
| 113.69 | 115.21 | 102 | 98 |
| 115.21 | 118.26 | 99 | 86 |
| 118.26 | 119.78 | 99 | 95 |
| 119.78 | 122.83 | 98 | 94 |
| 122.83 | 125.88 | 100 | 96 |
| 125.88 | 127.41 | 96 | 96 |
| 127.41 | E.O.H. | | |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Date Logged: 2004.06.04
Logged By: R.T.

Hole # 04-559

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 2.44 | 98 | 90 |
| 2.44 | 3.96 | 100 | 98 |
| 3.96 | 7.01 | 98 | 94 |
| 7.01 | 10.06 | 102 | 96 |
| 10.06 | 13.11 | 101 | 95 |
| 13.11 | 16.15 | 100 | 93 |
| 16.15 | 19.20 | 99 | 96 |
| 19.20 | 22.25 | 98 | 93 |
| 22.25 | 25.30 | 102 | 97 |
| 25.30 | 28.35 | 101 | 98 |
| 28.35 | 31.39 | 100 | 94 |
| 31.39 | 34.44 | 100 | 93 |
| 34.44 | 37.49 | 99 | 96 |
| 37.49 | 40.54 | 102 | 92 |
| 40.54 | 43.59 | 100 | 96 |
| 43.59 | 46.63 | 99 | 95 |
| 46.63 | 49.68 | 100 | 97 |
| 49.68 | 53.73 | 101 | 94 |
| 53.73 | 55.78 | 102 | 97 |
| 55.78 | 58.83 | 100 | 96 |
| 58.83 | 61.83 | 99 | 97 |
| 61.87 | 64.92 | 98 | 96 |
| 64.92 | 67.97 | 102 | 98 |
| 67.97 | 71.02 | 101 | 97 |
| 71.02 | 74.07 | 97 | 85 |
| 74.07 | 75.59 | 100 | 94 |
| 75.59 | 78.64 | 101 | 93 |
| 78.64 | 81.69 | 100 | 94 |
| 81.69 | 84.73 | 101 | 95 |
| 84.73 | 87.78 | 103 | 96 |
| 87.78 | 90.83 | 100 | 94 |
| 90.83 | 93.88 | 101 | 92 |
| 93.88 | 96.93 | 99 | 91 |
| 96.93 | 99.97 | 100 | 95 |
| 99.97 | 103.02 | 100 | 97 |
| 103.02 | 106.07 | 99 | 93 |
| 106.07 | 109.12 | 99 | 95 |
| 109.12 | 112.16 | 98 | 94 |
| 112.16 | 115.21 | 101 | 96 |

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 115.21 | E.O.H. | | |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Date Logged: 2004.06.06
Logged By: R.T.

Hole # **04-560**

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 0.91 | 100 | 87 |
| 0.91 | 3.96 | 100 | 89 |
| 3.96 | 5.49 | 98 | 92 |
| 5.49 | 8.53 | 99 | 97 |
| 8.53 | 11.58 | 101 | 95 |
| 11.58 | 14.63 | 100 | 94 |
| 14.63 | 17.68 | 100 | 85 |
| 17.68 | 20.73 | 102 | 94 |
| 20.73 | 23.77 | 101 | 97 |
| 23.77 | 26.82 | 102 | 94 |
| 26.82 | 29.87 | 97 | 57 |
| 29.87 | 32.92 | 100 | 58 |
| 32.92 | 35.97 | 100 | 81 |
| 35.97 | 39.01 | 102 | 89 |
| 39.01 | 42.06 | 99 | 90 |
| 42.06 | 45.11 | 103 | 93 |
| 45.11 | 48.16 | 100 | 92 |
| 48.16 | 51.21 | 101 | 84 |
| 51.21 | 54.25 | 100 | 90 |
| 54.25 | 57.30 | 101 | 71 |
| 57.30 | 60.35 | 102 | 65 |
| 60.35 | 63.40 | 99 | 74 |
| 63.40 | 64.92 | 96 | 64 |
| 64.92 | 67.97 | 97 | 83 |
| 67.97 | 69.49 | 100 | 51 |
| 69.49 | 72.54 | 95 | 67 |
| 72.54 | 7559.00 | 97 | 64 |
| 75.59 | 78.64 | 101 | 94 |
| 78.64 | 81.69 | 101 | 98 |
| 81.69 | 84.74 | 100 | 94 |
| 84.74 | 87.78 | 99 | 76 |
| 87.78 | 90.83 | 102 | 98 |
| 90.83 | 93.88 | 98 | 58 |
| 93.88 | 96.93 | 98 | 79 |
| 96.93 | 99.97 | 100 | 68 |
| 99.97 | 101.50 | 100 | 64 |
| 101.50 | 104.55 | 100 | 75 |
| 104.55 | 107.59 | 101 | 98 |
| 107.59 | 110.64 | 101 | 90 |

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 110.64 | 113.69 | 102 | 94 |
| 113.69 | 116.74 | 97 | 92 |
| 116.74 | 119.79 | 98 | 16 |
| 119.79 | 122.83 | 99 | 68 |
| 122.83 | 124.97 | 97 | 21 |
| 124.97 | E.O.H. | | |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Date Logged: 2004.06.07
Logged By: R.T.

Hole # **04-561**

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 2.13 | 101 | 90 |
| 2.13 | 3.66 | 98 | 94 |
| 3.66 | 6.71 | 99 | 95 |
| 6.71 | 9.75 | 101 | 92 |
| 9.75 | 12.80 | 100 | 43 |
| 12.80 | 15.85 | 100 | 50 |
| 15.85 | 18.90 | 100 | 77 |
| 18.90 | 21.95 | 100 | 91 |
| 21.95 | 24.99 | 99 | 90 |
| 24.99 | 28.04 | 99 | 93 |
| 28.04 | 31.09 | 99 | 96 |
| 31.09 | 32.61 | 100 | 96 |
| 32.61 | 35.66 | 101 | 97 |
| 35.66 | 38.71 | 99 | 96 |
| 38.71 | 41.76 | 100 | 91 |
| 41.76 | 44.81 | 101 | 98 |
| 44.81 | 47.85 | 100 | 97 |
| 47.85 | 50.90 | 100 | 93 |
| 50.90 | 53.95 | 97 | 94 |
| 53.95 | E.O.H. | | |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Date Logged: 2004.06.08
Logged By: R.T.

Hole # **04-562**

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 4.27 | 97 | 85 |
| 4.27 | 7.32 | 100 | 66 |
| 7.32 | 10.36 | 96 | 84 |
| 10.36 | 13.41 | 104 | 89 |
| 13.41 | 16.46 | 100 | 98 |
| 16.46 | 19.51 | 100 | 77 |
| 19.51 | 22.56 | 99 | 93 |
| 22.56 | 25.60 | 99 | 96 |
| 25.60 | 28.65 | 98 | 95 |
| 28.65 | 31.70 | 95 | 94 |
| 31.70 | E.O.H. | | |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Date Logged: 2004.06.08
Logged By: R.T.

Hole # **04-563**

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 2.13 | 99 | 59 |
| 2.13 | 4.27 | 86 | 47 |
| 4.27 | 7.32 | 102 | 75 |
| 732.00 | 10.36 | 100 | 71 |
| 10.36 | 13.41 | 101 | 96 |
| 13.41 | 16..46 | 101 | 98 |
| 16.46 | 19.51 | 102 | 87 |
| 19.51 | 22.56 | 102 | 83 |
| 22.56 | 25.60 | 100 | 90 |
| 25.60 | 28.65 | 100 | 97 |
| 28.65 | 31.70 | 100 | 98 |
| 31.70 | 34.75 | 100 | 85 |
| 34.75 | 37.80 | 99 | 73 |
| 37.80 | 40.84 | 100 | 86 |
| 40.84 | 42.37 | 102 | 50 |
| 42.37 | 45.42 | 95 | 60 |
| 45.42 | 48.46 | 99 | 61 |
| 48.46 | 51.51 | 98 | 49 |
| 51.51 | 54.56 | 100 | 89 |
| 54.56 | 56.08 | 92 | 93 |
| 56.08 | E.O.H. | | |

## Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Date Logged: 2004.06.09
Logged By: R.T.

Hole # **04-564**

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 2.44 | 98 | 66 |
| 2.44 | 3.96 | 102 | 90 |
| 3.96 | 7.01 | 101 | 93 |
| 7.01 | 10.06 | 102 | 95 |
| 10.06 | 13.11 | 101 | 97 |
| 13.11 | 16.15 | 100 | 98 |
| 16.15 | 19.20 | 100 | 97 |
| 19.20 | 22.25 | 100 | 96 |
| 22.25 | 23.77 | 98 | 66 |
| 23.77 | 26.82 | 100 | 98 |
| 26.82 | 29.87 | 100 | 96 |
| 29.87 | 32.92 | 100 | 98 |
| 32.92 | 35.97 | 99 | 97 |
| 35.97 | 39.01 | 100 | 91 |
| 39.01 | 42.06 | 101 | 78 |
| 42.06 | 45.11 | 100 | 49 |
| 45.11 | 48.16 | 100 | 82 |
| 48.16 | 51.21 | 100 | 95 |
| 51.21 | 54.25 | 97 | 92 |
| 54.25 | 57.30 | 100 | 90 |
| 57.30 | 60.35 | 102 | 83 |
| 60.35 | 63.40 | 102 | 63 |
| 63.40 | 66.47 | 101 | 86 |
| 66.47 | 69.49 | 98 | 80 |
| 69.49 | 72.54 | 100 | 88 |
| 72.54 | 75.59 | 100 | 96 |
| 75.59 | 77.11 | 102 | 94 |
| 77.11 | E.O.H. | | |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Hole # 04-565

Date Logged: 2004.06.10
Logged By: R.T.

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 2.74 | 96 | 73 |
| 2.74 | 4.27 | 100 | 86 |
| 47.27 | 7.32 | 103 | 95 |
| 7.32 | 10.36 | 96 | 86 |
| 10.36 | 13.41 | 101 | 97 |
| 13.41 | 16.46 | 95 | 92 |
| 16.46 | 19.51 | 103 | 96 |
| 19.51 | 22.56 | 102 | 95 |
| 22.56 | 25.60 | 103 | 94 |
| 25.60 | 28.65 | 99 | 93 |
| 28.65 | 31.70 | 102 | 67 |
| 31.70 | 34.75 | 99 | 87 |
| 34.75 | 37.80 | 103 | 93 |
| 37.80 | 40.84 | 99 | 97 |
| 40.84 | 43.89 | 101 | 96 |
| 43.89 | 46.94 | 105 | 93 |
| 46.94 | 49.99 | 97 | 97 |
| 49.99 | 53.04 | 98 | 96 |
| 53.04 | 56.08 | 100 | 65 |
| 56.08 | 59.73 | 100 | 59 |
| 59.73 | 62.18 | 101 | 93 |
| 62.18 | 65.23 | 100 | 94 |
| 65.23 | 68.28 | 100 | 97 |
| 68.28 | 71.32 | 99 | 94 |
| 71.32 | 74.37 | 99 | 95 |
| 74.37 | 77.42 | 102 | 58 |
| 77.42 | E.O.H. | | |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Date Logged: 2004.06.11
Logged By: R.T.

Hole # **04-566**

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 4.27 | 99 | 64 |
| 4.27 | 8.80 | 101 | 86 |
| 8.80 | 11.89 | 101 | 89 |
| 11.89 | 14.94 | 101 | 98 |
| 14.94 | 17.98 | 101 | 90 |
| 17.98 | 21.03 | 100 | 93 |
| 21.03 | 24.08 | 100 | 90 |
| 24.08 | 27.13 | 99 | 65 |
| 27.13 | 30.18 | 101 | 95 |
| 30.18 | 33.22 | 100 | 94 |
| 33.22 | 36.27 | 100 | 94 |
| 36.27 | 39.32 | 99 | 93 |
| 39.32 | 42.37 | 103 | 95 |
| 42.37 | 45.42 | 98 | 81 |
| 45.42 | 48.46 | 100 | 76 |
| 48.46 | 99.99 | 100 | 92 |
| 99.99 | 53.04 | 100 | 85 |
| 53.04 | 56.08 | 98 | 89 |
| 56.08 | 59.13 | 100 | 93 |
| 59.13 | 62.18 | 102 | 59 |
| 62.18 | 63.70 | 100 | 78 |
| 63.70 | 66.75 | 99 | 86 |
| 66.75 | 69.80 | 99 | 93 |
| 69.80 | 71.32 | 106 | 92 |
| 71.32 | 74.37 | 99 | 96 |
| 74.37 | 77.42 | 98 | 82 |
| 77.42 | 78.94 | 100 | 96 |
| 78.94 | 81.99 | 99 | 78 |
| 81.99 | 85.04 | 101 | 89 |
| 85.04 | 88.09 | 100 | 90 |
| 88.09 | 91.14 | 100 | 80 |
| 91.14 | 92.66 | 106 | 82 |
| 92.66 | 95.71 | 98 | 98 |
| 95.71 | 98.76 | 100 | 93 |
| 98.76 | E.O.H. | | |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Date Logged: 2004.06.13
Logged By: R.T.

Hole # 04-567

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 1.22 | 92 | 55 |
| 1.22 | 2.74 | 102 | 58 |
| 2.74 | 5.79 | 99 | 77 |
| 5.79 | 8.84 | 100 | 75 |
| 8.84 | 10.36 | 98 | 72 |
| 10.36 | 13.41 | 100 | 96 |
| 13.41 | 16.46 | 100 | 84 |
| 16.46 | 17.98 | 100 | 26 |
| 17.98 | 21.03 | 99 | 69 |
| 21.03 | 24.08 | 101 | 80 |
| 24.08 | 27.13 | 100 | 80 |
| 27.13 | 28.65 | 100 | 96 |
| 28.65 | 31.70 | 99 | 93 |
| 31.70 | 34.70 | 97 | 93 |
| 34.70 | 37.80 | 99 | 86 |
| 37.80 | 40.84 | 100 | 92 |
| 40.84 | 43.89 | 99 | 65 |
| 43.89 | 46.91 | 98 | 74 |
| 46.91 | 49.99 | 100 | 89 |
| 49.99 | 51.51 | 96 | 70 |
| 51.51 | 54.56 | 102 | 80 |
| 54.56 | 57.61 | 99 | 71 |
| 57.61 | 60.66 | 102 | 79 |
| 60.66 | 62.18 | 94 | 72 |
| 62.18 | 65.23 | 101 | 83 |
| 65.23 | 68.28 | 99 | 89 |
| 68.28 | 71.32 | 100 | 92 |
| 71.32 | 74.37 | 98 | 96 |
| 74.37 | 77.41 | 102 | 95 |
| 77.41 | 80.47 | 100 | 94 |
| 80.47 | 83.52 | 102 | 94 |
| 83.52 | 86.56 | 98 | 87 |
| 86.56 | 89.61 | 100 | 99 |
| 89.61 | 92.66 | 99 | 94 |
| 92.66 | 95.71 | 100 | 83 |
| 95.71 | 98.76 | 92 | 91 |
| 98.76 | E.O.H. | | |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Date Logged: 2004.06.14
Logged By: R.T.

Hole # **04-568**

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 2.44 | 101 | 98 |
| 2.44 | 3.96 | 98 | 98 |
| 3.96 | 7.01 | 98 | 88 |
| 7.01 | 10.06 | 101 | 76 |
| 10.06 | 13.11 | 99 | 84 |
| 13.11 | 16.15 | 101 | 84 |
| 16.15 | 19.20 | 98 | 87 |
| 19.20 | 22.25 | 100 | 89 |
| 22.25 | 25.30 | 98 | 91 |
| 25.30 | 26.82 | 100 | 98 |
| 26.82 | 29.87 | 100 | 90 |
| 29.87 | 32.92 | 100 | 91 |
| 32.92 | 35.97 | 98 | 87 |
| 35.97 | 34.01 | 96 | 77 |
| 34.01 | 42.06 | 99 | 80 |
| 42.06 | 45.11 | 94 | 76 |
| 45.11 | 48.16 | 95 | 80 |
| 48.16 | 51.21 | 99 | 86 |
| 51.21 | 54.25 | 98 | 89 |
| 54.25 | 57.30 | 99 | 87 |
| 57.30 | 60.35 | 100 | 93 |
| 60.35 | 63.40 | 98 | 97 |
| 63.40 | 64.92 | 104 | 80 |
| 64.92 | 67.97 | 102 | 78 |
| 67.97 | 69.49 | 104 | 88 |
| 69.49 | 72.54 | 97 | 70 |
| 72.54 | 75.59 | 99 | 81 |
| 75.59 | 78.38 | 102 | 55 |
| 78.38 | 81.69 | 105 | 52 |
| 81.69 | E.O.H. | | |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Date Logged: 2004.06.15
Logged By: R.T.

Hole # **04-569**

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 2.44 | 96 | 63 |
| 2.44 | 3.96 | 108 | 78 |
| 3.96 | 7.01 | 112 | 86 |
| 7.01 | 10.06 | 102 | 90 |
| 10.06 | 13.10 | 96 | 79 |
| 13.10 | 16.15 | 102 | 87 |
| 16.15 | 19.20 | 99 | 91 |
| 19.20 | 22.25 | 100 | 95 |
| 22.25 | 25.30 | 101 | 92 |
| 25.30 | 28.35 | 100 | 71 |
| 28.35 | 31.39 | 97 | 78 |
| 31.39 | 34.44 | 110 | 84 |
| 34.44 | 37.49 | 95 | 63 |
| 37.49 | 39.01 | 104 | 44 |
| 39.01 | 42.06 | 97 | 87 |
| 42.06 | 45.11 | 102 | 83 |
| 45.11 | 48.16 | 97 | 94 |
| 48.16 | 51.21 | 99 | 95 |
| 51.21 | 54.25 | 101 | 92 |
| 54.25 | 57.30 | 101 | 94 |
| 57.30 | 60.35 | 99 | 70 |
| 60.35 | 63.40 | 100 | 69 |
| 63.40 | 66.45 | 99 | 85 |
| 66.45 | 69.49 | 98 | 78 |
| 69.49 | 72.54 | 100 | 96 |
| 72.54 | 75.59 | 99 | 97 |
| 75.59 | E.O.H. | | |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Date Logged: 2004.06.17
Logged By: R.T.

Hole # **04-570**

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 2.74 | 98 | 57 |
| 2.74 | 4.27 | 102 | 98 |
| 4.27 | 7.32 | 99 | 92 |
| 7.32 | 10.36 | 99 | 86 |
| 10.36 | 13.41 | 99 | 96 |
| 13.41 | 16.46 | 100 | 97 |
| 16.46 | 19.51 | 99 | 96 |
| 19.51 | 22.56 | 101 | 97 |
| 22.56 | 25.60 | 101 | 96 |
| 25.60 | 28.65 | 100 | 97 |
| 28.65 | 30.17 | 100 | 96 |
| 30.17 | 33.22 | 97 | 91 |
| 33.22 | 34.75 | 104 | 92 |
| 34.75 | 37.80 | 101 | 96 |
| 37.80 | 40.84 | 102 | 95 |
| 40.84 | 43.89 | 101 | 88 |
| 43.89 | 45.42 | 96 | 84 |
| 45.42 | 48.46 | 102 | 100 |
| 48.46 | 51.51 | 100 | 89 |
| 51.51 | E.O.H. | | |

## Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Date Logged: 2004.06.18
Logged By: R.T.

Hole # **04-571**

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 2.74 | 100 | 90 |
| 2.74 | 4.27 | 96 | 92 |
| 4.27 | 7.32 | 99 | 96 |
| 7.32 | 10.36 | 98 | 97 |
| 10.36 | 13.41 | 102 | 98 |
| 13.41 | 16.46 | 101 | 97 |
| 16.46 | 19.51 | 101 | 96 |
| 19.51 | 22.56 | 98 | 96 |
| 22.56 | 25.60 | 99 | 97 |
| 25.60 | 27.13 | 100 | 97 |
| 27.13 | 30.18 | 101 | 98 |
| 30.18 | 33.22 | 101 | 99 |
| 33.22 | 36.27 | 102 | 95 |
| 36.27 | 39.32 | 99 | 96 |
| 39.32 | 42.37 | 100 | 90 |
| 42.37 | 45.42 | 101 | 69 |
| 45.42 | 48.46 | 99 | 89 |
| 48.46 | 51.51 | 98 | 84 |
| 51.51 | 54.56 | 100 | 54 |
| 54.56 | 56.08 | 106 | 76 |
| 56.08 | 59.13 | 101 | 86 |
| 59.13 | 60.66 | 96 | 22 |
| 60.66 | 62.18 | 104 | 30 |
| 62.18 | 65.23 | 100 | 47 |
| 65.23 | 68.28 | 101 | 84 |
| 68.28 | 71.32 | 98 | 67 |
| 71.32 | 74.37 | 100 | 58 |
| 74.37 | 77.42 | 102 | 65 |
| 77.42 | 80.47 | 99 | 74 |
| 80.47 | 83.52 | 99 | 52 |
| 83.52 | 86.56 | 99 | 34 |
| 86.56 | 89.61 | 100 | 56 |
| 89.61 | 92.66 | 102 | 93 |
| 92.66 | 97.23 | 98 | 52 |
| 97.23 | 100.28 | 99 | 38 |
| 100.28 | E.O.H | | |

## Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Date Logged: 2004.06.19
Logged By: R.T.

Hole # 04-572

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 1.22 | 92 | 65 |
| 1.22 | 4.27 | 102 | 82 |
| 4.27 | 5.79 | 102 | 98 |
| 5.79 | 8.84 | 101 | 96 |
| 8.84 | 11.89 | 101 | 93 |
| 11.89 | 14.94 | 99 | 92 |
| 14.94 | 17.98 | 100 | 89 |
| 17.98 | 21.03 | 102 | 98 |
| 21.03 | 24.08 | 99 | 96 |
| 24.08 | 27.13 | 101 | 97 |
| 27.13 | 30.18 | 99 | 85 |
| 30.18 | 33.22 | 98 | 93 |
| 33.22 | 36.27 | 105 | 89 |
| 36.27 | 39.32 | 102 | 92 |
| 39.32 | 42.37 | 97 | 90 |
| 42.37 | 45.42 | 101 | 86 |
| 45.42 | 48.46 | 99 | 95 |
| 48.46 | 51.51 | 101 | 97 |
| 51.51 | E.O.H. | | |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Hole # 04-573

Date Logged: 2004.06.22
Logged By: R.T.

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 3.05 | 95 | 42 |
| 3.05 | 4.57 | 96 | 46 |
| 4.57 | 7.62 | 101 | 54 |
| 7.62 | 10.67 | 99 | 78 |
| 10.67 | 13.72 | 102 | 86 |
| 13.72 | 16.76 | 98 | 50 |
| 16.76 | 18.29 | 100 | 64 |
| 18.29 | 21.34 | 98 | 41 |
| 21.34 | 24.38 | 97 | 51 |
| 24.38 | 27.43 | 98 | 21 |
| 27.43 | 30.48 | 97 | 33 |
| 30.48 | 32.00 | 108 | 30 |
| 32.00 | 35.05 | 100 | 71 |
| 35.05 | 38.10 | 99 | 36 |
| 38.10 | 41.15 | 101 | 47 |
| 41.15 | 44.20 | 102 | 70 |
| 44.20 | 45.72 | 102 | 74 |
| 45.72 | 48.77 | 97 | 90 |
| 48.77 | 51.82 | 100 | 94 |
| 51.82 | 54.86 | 102 | 98 |
| 54.86 | 57.91 | 99 | 97 |
| 57.91 | 60.96 | 100 | 96 |
| 60.96 | 64.01 | 102 | 65 |
| 64.01 | 67.06 | 100 | 48 |
| 67.06 | 68.58 | 98 | 96 |
| 68.58 | 71.63 | 99 | 83 |
| 71.63 | 74.68 | 102 | 46 |
| 74.68 | 76.20 | 102 | 58 |
| 76.20 | 79.25 | 101 | 56 |
| 79.25 | 80.77 | 102 | 96 |
| 80.77 | 83.82 | 101 | 97 |
| 83.82 | 88.39 | 98 | 55 |
| 88.39 | 91.44 | 97 | 0.5 |
| 91.44 | 92.96 | 98 | 0.1 |
| 92.96 | 96.01 | 99 | 0.8 |
| 96.01 | 99.06 | 100 | 54 |
| 99.06 | 102.11 | 100 | 56 |
| 102.11 | 105.16 | 101 | 64 |
| 105.16 | 108.20 | 100 | 63 |

| Run | | | |
|---|---|---|---|
| from m | to 41 | recovery % | RQD % |
| 108.20 | 111.25 | 102 | 77 |
| 111.25 | 114.30 | 98 | 41 |
| 114.30 | 117.35 | 101 | 67 |
| 117.35 | 120.40 | 99 | 73 |
| 120.40 | 123.44 | 101 | 61 |
| 123.44 | 128.20 | 98 | 73 |
| 128.20 | 131.06 | 102 | 43 |
| 131.06 | 134.11 | 99 | 67 |
| 134.11 | 135.64 | 100 | 64 |
| 135.64 | 138.68 | 98 | 58 |
| 138.68 | 140.21 | 98 | 30 |
| 140.21 | 143.26 | 101 | 58 |
| 143.26 | 146.30 | 100 | 82 |
| 146.30 | 149.35 | 98 | 34 |
| 149.35 | 150.88 | 102 | 54 |
| 150.88 | 153.92 | 99 | 90 |
| 153.92 | 156.97 | 96 | 88 |
| 156.97 | 160.02 | 103 | 62 |
| 160.02 | 163.07 | 98 | 78 |
| 163.07 | 164.60 | 100 | 50 |
| 164.60 | 169.16 | 99 | 70 |
| 169.16 | 172.21 | 101 | 50 |
| 172.21 | 175.26 | 101 | 82 |
| 175.26 | 178.31 | 99 | 34 |
| 178.31 | 182.88 | 100 | 62 |
| 182.88 | 185.93 | 98 | 54 |
| 185.93 | 188.98 | 100 | 46 |
| 188.98 | 192.02 | 104 | 85 |
| 192.02 | 195.07 | 99 | 72 |
| 195.07 | 198.12 | 98 | 83 |
| 198.12 | 201.17 | 98 | 80 |
| 201.17 | 204.22 | 101 | 87 |
| 204.22 | 207.26 | 101 | 92 |
| 207.26 | 210.31 | 99 | 94 |
| 210.31 | 213.36 | 100 | 90 |
| 213.36 | 216.41 | 99 | 88 |
| 216.41 | 219.45 | 99 | 84 |
| 219.45 | E.O.H. | | |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Hole # 04-574

Date Logged: 2004.06.27
Logged By: R.T.

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 2.74 | 100 | 38 |
| 2.74 | 4.25 | 96 | 28 |
| 4.25 | 5.79 | 96 | 34 |
| 5.79 | 7.32 | 98 | 60 |
| 7.32 | 8.84 | 100 | 50 |
| 8.84 | 10.36 | 98 | 36 |
| 10.36 | 11.88 | 102 | 76 |
| 11.88 | 13.41 | 100 | 74 |
| 13.41 | 14.94 | 98 | 50 |
| 14.94 | 16.46 | 100 | 70 |
| 16.46 | 17.98 | 98 | 78 |
| 17.98 | 19.51 | 108 | 38 |
| 19.51 | 21.03 | 106 | 60 |
| 21.03 | 22.56 | 98 | 62 |
| 22.56 | 24.08 | 106 | 98 |
| 24.08 | 25.60 | 94 | 38 |
| 25.60 | 27.13 | 100 | 86 |
| 27.13 | 28.65 | 100 | 56 |
| 28.65 | 30.18 | 100 | 30 |
| 30.18 | 31.70 | 100 | 24 |
| 31.70 | 33.22 | 100 | 39 |
| 33.22 | 34.75 | 98 | 12 |
| 34.75 | 36.27 | 99 | 8 |
| 36.27 | 37.80 | 99 | 36 |
| 37.80 | 39.32 | 99 | 28 |
| 39.32 | 40.84 | 99 | 24 |
| 40.84 | 42.37 | 99 | 70 |
| 42.37 | 43.89 | 98 | 40 |
| 43.89 | 45.41 | 99 | 32 |
| 45.41 | 46.94 | 99 | 24 |
| 46.94 | 48.46 | 100 | 60 |
| 48.46 | 50.00 | 100 | 65 |
| 50.00 | 51.51 | 100 | 76 |
| 51.51 | 53.04 | 100 | 74 |
| 53.04 | 54.56 | 100 | 70 |
| 54.56 | 56.08 | 100 | 76 |
| 56.08 | 57.61 | 96 | 52 |
| 57.61 | 59.13 | 98 | 86 |
| 59.13 | 60.65 | 100 | 90 |

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 60.65 | 62.18 | 100 | 44 |
| 62.18 | 63.70 | 98 | 50 |
| 63.70 | 65.23 | 102 | 48 |
| 65.23 | 66.75 | 90 | 58 |
| 66.75 | 68.28 | 102 | 60 |
| 68.28 | 69.80 | 98 | 64 |
| 69.80 | 71.32 | 98 | 38 |
| 71.32 | 72.85 | 104 | 36 |
| 72.85 | 74.37 | 110 | 62 |
| 74.37 | 75.90 | 90 | 38 |
| 75.90 | 77.42 | 104 | 56 |
| 77.42 | 78.94 | 98 | 40 |
| 78.94 | 80.47 | 100 | 56 |
| 80.47 | 81.99 | 100 | 92 |
| 81.99 | 83.52 | 99 | 66 |
| 83.52 | 85.04 | 102 | 84 |
| 85.04 | 86.56 | 100 | 46 |
| 86.56 | 88.09 | 100 | 78 |
| 88.09 | 89.61 | 104 | 50 |
| 89.61 | 91.14 | 96 | 62 |
| 91.14 | 92.66 | 100 | 42 |
| 92.66 | 94.18 | 100 | 20 |
| 94.18 | 95.71 | 94 | 0 |
| 95.71 | 97.23 | 100 | 8 |
| 97.23 | 98.76 | 98 | 0 |
| 98.76 | 100.28 | 99 | 12 |
| 100.28 | 101.80 | 98 | 0 |
| 101.80 | 103.33 | 94 | 0 |
| 103.33 | 104.85 | 96 | 14 |
| 104.85 | 106.38 | 100 | 14 |
| 106.38 | 107.90 | 98 | 38 |
| 107.90 | 109.40 | 100 | 26 |
| 109.40 | 110.95 | 100 | 28 |
| 110.95 | 112.47 | 102 | 42 |
| 112.47 | 114.00 | 100 | 26 |
| 114.00 | 115.52 | 99 | 20 |
| 115.52 | 117.04 | 100 | 0 |
| 117.04 | 118.57 | 101 | 22 |
| 118.57 | 120.09 | 99 | 6 |

## Table 12 - Rock Quality Designation (RQD) and Core Recovery

Hole # 04-574

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | |
| 120.09 | 123.14 | 100 | 22 |
| 123.14 | 124.66 | 98 | 28 |
| 124.66 | 126.19 | 99 | 18 |
| 126.19 | 127.74 | 102 | 84 |
| 127.74 | 129.24 | 99 | 74 |
| 129.24 | 130.76 | 101 | 34 |
| 130.76 | 132.28 | 101 | 70 |
| 132.28 | 133.81 | 100 | 42 |
| 133.81 | 135.33 | 100 | 10 |
| 135.33 | 136.86 | 102 | 56 |
| 136.86 | 138.38 | 98 | 50 |
| 138.38 | 139.90 | 100 | 8 |
| 139.90 | 141.43 | 99 | 8 |
| 141.43 | 142.95 | 100 | 22 |
| 142.95 | 144.48 | 102 | 68 |
| 144.48 | 146.00 | 102 | 44 |
| 146.00 | 147.52 | 98 | 28 |
| 147.52 | 149.05 | 98 | 48 |
| 149.05 | 150.57 | 100 | 35 |
| 150.57 | 152.10 | 98 | 16 |
| 152.10 | 153.62 | 102 | 66 |
| 153.62 | 155.14 | 104 | 40 |
| 155.14 | 156.67 | 100 | 16 |
| 156.67 | 158.19 | 98 | 30 |
| 158.19 | 159.72 | 98 | 62 |
| 159.72 | 161.24 | 102 | 48 |
| 161.24 | 162.76 | 100 | 22 |
| 162.76 | 164.29 | 102 | 48 |
| 164.29 | 165.81 | 102 | 53 |
| 165.81 | 167.34 | 98 | 39 |
| 167.34 | 168.86 | 98 | 70 |
| 168.86 | 170.38 | 99 | 80 |
| 170.38 | 171.91 | 100 | 70 |
| 171.91 | 173.43 | 99 | 38 |
| 173.43 | 174.96 | 98 | 46 |
| 174.96 | 176.48 | 100 | 52 |
| 176.48 | 178.00 | 108 | 60 |
| 178.00 | 179.53 | 100 | 74 |
| 179.53 | 181.05 | 76 | 50 |
| 181.05 | 182.58 | 72 | 23 |
| 182.58 | 184.10 | 58 | 0 |
| 184.10 | 185.62 | 22 | 11 |
| 185.62 | 187.14 | 24 | 0 |
| 187.14 | 188.67 | 26 | 0 |
| 188.67 | 190.20 | 44 | 8 |

| Run | | | |
|---|---|---|---|
| from m | to m 4 | recovery % | RQD % |
| 190.20 | 191.72 | 48 | 0 |
| 191.72 | 193.20 | 40 | 0 |
| 193.20 | E.O.H. | | |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Hole # 04-575

Date Logged: 2004.06.29
Logged By: R.T.

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 1.52 | 100 | 78 |
| 1.52 | 4.57 | 90 | 34 |
| 4.57 | 7.62 | 99 | 39 |
| 7.62 | 10.67 | 101 | 62 |
| 10.67 | 13.72 | 100 | 53 |
| 13.72 | 16.76 | 99 | 26 |
| 16.76 | 19.81 | 102 | 50 |
| 19.81 | 22.86 | 101 | 59 |
| 22.86 | 24.38 | 100 | 40 |
| 24.38 | 27.43 | 99 | 29 |
| 27.43 | 30.48 | 100 | 44 |
| 30.48 | 33.53 | 101 | 56 |
| 33.53 | 36.58 | 104 | 59 |
| 36.58 | 39.62 | 102 | 83 |
| 39.62 | 42.67 | 101 | 90 |
| 42.67 | 47.24 | 100 | 90 |
| 47.24 | 50.29 | 102 | 99 |
| 50.29 | 53.34 | 100 | 65 |
| 53.34 | 56.39 | 100 | 97 |
| 56.39 | 59.44 | 100 | 96 |
| 59.44 | 62.48 | 99 | 95 |
| 62.48 | 65.53 | 100 | 98 |
| 65.53 | 68.58 | 100 | 99 |
| 68.58 | 71.63 | 100 | 97 |
| 71.63 | 74.68 | 100 | 98 |
| 74.68 | 77.72 | 99 | 97 |
| 77.72 | 80.77 | 100 | 92 |
| 80.77 | 83.82 | 100 | 50 |
| 83.82 | 86.87 | 100 | 76 |
| 86.87 | 89.92 | 96 | 95 |
| 89.92 | 92.96 | 104 | 99 |
| 92.96 | 96.01 | 98 | 92 |
| 96.01 | 99.06 | 102 | 52 |
| 99.06 | 102.11 | 100 | 76 |
| 102.11 | 105.16 | 100 | 67 |
| 105.16 | 108.20 | 103 | 98 |
| 108.20 | 111.25 | 97 | 68 |
| 111.25 | 114.30 | 100 | 90 |
| 114.30 | 117.35 | 99 | 97 |

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | |
| 117.35 | 120.40 | 101 | 75 |
| 120.40 | 123.44 | 101 | 69 |
| 123.44 | 124.97 | 100 | 98 |
| 124.97 | E.O.H. | | |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Hole # 04-576

Date Logged: 2004.07.02
Logged By: R.T.

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 2.74 | 96 | 74 |
| 2.74 | 4.26 | 100 | 36 |
| 4.26 | 7.31 | 100 | 41 |
| 7.31 | 10.36 | 102 | 69 |
| 10.36 | 14.94 | 99 | 70 |
| 14.94 | 17.98 | 100 | 59 |
| 17.98 | 21.03 | 100 | 54 |
| 21.03 | 24.08 | 101 | 70 |
| 24.08 | 27.13 | 99 | 13 |
| 27.13 | 30.18 | 100 | 66 |
| 30.18 | 33.22 | 100 | 61 |
| 33.22 | 36.27 | 100 | 24 |
| 36.27 | 39.32 | 101 | 53 |
| 39.32 | 42.37 | 100 | 82 |
| 42.37 | 45.42 | 99 | 70 |
| 45.42 | 48.46 | 101 | 88 |
| 48.46 | 51.51 | 99 | 59 |
| 51.51 | 54.56 | 100 | 61 |
| 54.56 | 57.61 | 99 | 93 |
| 57.61 | 60.66 | 101 | 48 |
| 60.66 | 63.70 | 101 | 43 |
| 63.70 | 66.75 | 99 | 51 |
| 66.75 | 69.79 | 103 | 73 |
| 69.79 | 72.85 | 99 | 94 |
| 72.85 | 75.90 | 99 | 90 |
| 75.90 | 78.40 | 100 | 95 |
| 78.40 | 81.99 | 99 | 92 |
| 81.99 | 85.04 | 100 | 75 |
| 85.04 | 88.09 | 101 | 91 |
| 88.09 | 91.14 | 105 | 89 |
| 91.14 | 94.18 | 99 | 87 |
| 94.18 | 97.23 | 101 | 45 |
| 97.23 | 100.28 | 101 | 94 |
| 100.28 | 103.34 | 99 | 70 |
| 103.34 | 106.38 | 101 | 71 |
| 106.38 | 109.42 | 102 | 88 |
| 109.42 | 112.47 | 104 | 93 |
| 112.47 | 115.52 | 101 | 72 |
| 115.52 | 118.57 | 94 | 90 |

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | |
| 118.57 | 121.62 | 102 | 82 |
| 121.62 | 124.66 | 100 | 60 |
| 124.66 | 127.71 | 99 | 65 |
| 127.71 | 130.76 | 98 | 78 |
| 130.76 | 133.81 | 100 | 60 |
| 133.81 | 136.86 | 101 | 71 |
| 136.86 | 139.90 | 101 | 68 |
| 139.90 | 142.95 | 99 | 67 |
| 142.95 | 146.00 | 99 | 65 |
| 146.00 | 149.05 | 100 | 88 |
| 149.05 | 152.10 | 100 | 44 |
| 152.10 | 155.14 | 100 | 45 |
| 155.14 | 156.67 | 100 | 0 |
| 156.67 | 159.72 | 100 | 35 |
| 159.72 | 161.24 | 100 | 16 |
| 161.24 | 164.29 | 99 | 47 |
| 164.29 | 167.34 | 102 | 58 |
| 167.34 | 170.38 | 101 | 57 |
| 170.38 | 173.43 | 101 | 72 |
| 173.43 | 176.48 | 105 | 87 |
| 176.48 | 179.53 | 95 | 61 |
| 179.53 | 182.58 | 102 | 99 |
| 182.58 | 185.62 | 98 | 93 |
| 185.62 | 188.67 | 100 | 94 |
| 188.67 | 191.72 | 100 | 94 |
| 191.72 | 194.77 | 102 | 96 |
| 194.77 | 197.81 | 100 | 92 |
| 197.81 | 200.86 | 100 | 89 |
| 200.86 | 203.91 | 99 | 95 |
| 203.91 | 206.96 | 99 | 96 |
| 206.96 | 210.01 | 99 | 93 |
| 210.01 | 213.06 | 100 | 77 |
| 213.06 | 216.10 | 100 | 86 |
| 216.10 | 219.15 | 100 | 87 |
| 219.15 | 222.20 | 99 | 79 |
| 222.20 | 225.25 | 100 | 76 |
| 225.25 | 228.30 | 99 | 81 |
| 228.30 | 231.34 | 106 | 97 |
| 231.34 | 234.40 | 98 | 89 |

## Table 12 - Rock Quality Designation (RQD) and Core Recovery

Hole # **04-576**

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 234.40 | 237.44 | 98 | 60 |
| 237.44 | 240.49 | 102 | 93 |
| 240.49 | 243.54 | 99 | 89 |
| 243.54 | 246.58 | 99 | 91 |
| 246.58 | 249.63 | 99 | 86 |
| 249.63 | 252.68 | 102 | 99 |
| 252.68 | 255.73 | 100 | 90 |
| 255.73 | 258.78 | 100 | 86 |
| 258.78 | 261.82 | 100 | 97 |
| 261.82 | 264.87 | 100 | 89 |
| 264.87 | E.O.H. | | |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Hole # 04-577

Date Logged: 2004.07.16
Logged By: R.T.

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 1.22 | 100 | 0 |
| 1.22 | 4.27 | 99 | 18 |
| 4.27 | 7.32 | 99 | 49 |
| 7.32 | 10.36 | 101 | 68 |
| 10.36 | 13.41 | 101 | 31 |
| 13.41 | 14.94 | 100 | 50 |
| 14.94 | 17.98 | 100 | 51 |
| 17.98 | 21.03 | 100 | 52 |
| 21.03 | 24.08 | 99 | 65 |
| 24.08 | 25.60 | 101 | 42 |
| 25.60 | 28.65 | 99 | 61 |
| 28.65 | 30.18 | 99 | 0 |
| 30.18 | 33.22 | 99 | 43 |
| 33.22 | 36.27 | 100 | 59 |
| 36.27 | 39.32 | 100 | 58 |
| 39.32 | 42.37 | 94 | 59 |
| 42.37 | 45.42 | 106 | 50 |
| 45.42 | 48.46 | 100 | 88 |
| 48.46 | 51.51 | 100 | 78 |
| 51.51 | 54.56 | 99 | 81 |
| 54.56 | 57.61 | 102 | 85 |
| 57.61 | 60.66 | 99 | 64 |
| 60.66 | 63.70 | 100 | 79 |
| 63.70 | 66.75 | 100 | 84 |
| 66.75 | 69.80 | 100 | 76 |
| 69.80 | 72.85 | 100 | 68 |
| 72.85 | 75.90 | 101 | 91 |
| 75.90 | 78.94 | 100 | 54 |
| 78.94 | 82.00 | 100 | 82 |
| 82.00 | 85.04 | 100 | 83 |
| 85.04 | 88.09 | 99 | 73 |
| 88.09 | 91.40 | 100 | 92 |
| 91.40 | 94.18 | 100 | 100 |
| 94.18 | 97.23 | 99 | 94 |
| 97.23 | 100.28 | 100 | 97 |
| 100.28 | 103.33 | 101 | 95 |
| 103.33 | 106.38 | 102 | 86 |
| 106.38 | 109.42 | 99 | 91 |
| 109.42 | 112.47 | 98 | 92 |
| 112.47 | 115.52 | 100 | 87 |
| 115.52 | 118.57 | 99 | 94 |
| 118.57 | 121.62 | 100 | 29 |
| 121.62 | 123.14 | 100 | 18 |
| 123.14 | 126.19 | 99 | 47 |
| 126.19 | 127.70 | 98 | 35 |
| 127.70 | 130.76 | 100 | 0 |
| 130.76 | 133.81 | 100 | 4 |
| 133.81 | 135.33 | 100 | 6 |
| 135.33 | 136.85 | 100 | 0 |
| 136.85 | 138.38 | 98 | 12 |
| 138.38 | 139.90 | 99 | 0 |
| 139.90 | 142.95 | 100 | 40 |
| 142.95 | 146.00 | 98 | 69 |
| 146.00 | E.O.H. | | |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Hole # **04-578**

Date Logged: 2004.07.20
Logged By: R.T.

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 1.22 | 80 | 11 |
| 1.22 | 4.27 | 95 | 47 |
| 4.27 | 7.32 | 100 | 38 |
| 7.32 | 10.36 | 100 | 59 |
| 10.36 | 13.41 | 100 | 74 |
| 13.41 | 14.94 | 100 | 48 |
| 14.94 | 17.98 | 97 | 44 |
| 17.98 | 21.03 | 99 | 65 |
| 21.03 | 24.08 | 102 | 85 |
| 24.08 | 27.13 | 98 | 55 |
| 27.13 | 30.18 | 99 | 51 |
| 30.18 | 33.22 | 100 | 58 |
| 33.22 | 36.27 | 100 | 21 |
| 36.27 | 39.32 | 99 | 19 |
| 39.32 | 42.36 | 98 | 27 |
| 42.36 | 45.42 | 99 | 57 |
| 45.42 | 48.46 | 98 | 72 |
| 48.46 | 51.51 | 99 | 47 |
| 51.51 | 56.08 | 102 | 51 |
| 56.08 | 59.13 | 98 | 58 |
| 59.13 | 62.18 | 99 | 47 |
| 62.18 | 65.23 | 103 | 40 |
| 65.23 | 68.28 | 101 | 62 |
| 68.28 | 71.32 | 99 | 44 |
| 71.32 | 74.37 | 98 | 81 |
| 74.37 | 77.42 | 98 | 56 |
| 77.42 | 80.47 | 99 | 49 |
| 80.47 | 83.52 | 100 | 35 |
| 83.52 | 86.56 | 101 | 70 |
| 86.56 | 89.61 | 100 | 50 |
| 89.61 | 92.66 | 100 | 66 |
| 92.66 | 94.18 | 98 | 13 |
| 94.18 | 97.23 | 100 | 84 |
| 97.23 | 100.28 | 102 | 77 |
| 100.28 | 103.33 | 100 | 36 |
| 103.33 | 104.85 | 106 | 48 |
| 104.85 | 107.90 | 98 | 28 |
| 107.90 | 109.42 | 100 | 23 |
| 109.42 | 110.95 | 98 | 22 |

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 110.95 | 114.00 | 100 | 82 |
| 114.00 | 117.04 | 99 | 54 |
| 117.04 | 120.09 | 100 | 22 |
| 120.09 | 123.14 | 99 | 23 |
| 123.14 | 126.19 | 101 | 19 |
| 126.19 | 129.24 | 100 | 20 |
| 129.24 | 132.28 | 99 | 21 |
| 132.28 | 135.33 | 100 | 49 |
| 135.33 | 136.86 | 96 | 18 |
| 136.86 | 139.90 | 100 | 28 |
| 139.90 | 141.43 | 100 | 29 |
| 141.43 | 144.48 | 100 | 15 |
| 144.48 | 146.00 | 100 | 0 |
| 146.00 | 149.05 | 101 | 45 |
| 149.05 | 150.57 | 100 | 27 |
| 150.57 | 153.62 | 65 | 6.5 |
| 153.62 | 156.67 | 90 | 47 |
| 156.67 | 159.72 | 100 | 19 |
| 159.72 | 161.24 | 98 | 37 |
| 161.24 | 164.28 | 100 | 21 |
| 164.28 | 167.34 | 100 | 28 |
| 167.34 | 170.38 | 100 | 57 |
| 170.38 | 173.43 | 100 | 27 |
| 173.43 | 174.96 | 100 | 30 |
| 174.96 | 178.00 | 101 | 37 |
| 178.00 | 181.05 | 100 | 26 |
| 181.05 | 184.10 | 101 | 34 |
| 184.10 | 187.15 | 100 | 21 |
| 187.15 | 190.20 | 100 | 16 |
| 190.20 | 193.24 | 101 | 13 |
| 193.24 | 196.29 | 99 | 69 |
| 196.29 | 199.34 | 100 | 58 |
| 199.34 | 202.39 | 102 | 50 |
| 202.39 | 205.44 | 98 | 14 |
| 205.44 | 206.96 | 100 | 0 |
| 206.96 | 210.01 | 100 | 24 |
| 210.01 | 213.06 | 100 | 41 |
| 213.06 | 216.10 | 99 | 48 |
| 216.10 | 219.15 | 101 | 53 |

## Table 12 - Rock Quality Designation (RQD) and Core Recovery

Hole # 04-578

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 219.15 | 222.20 | 100 | 67 |
| 222.20 | 225.25 | 99 | 60 |
| 225.25 | 228.30 | 101 | 50 |
| 228.30 | 229.82 | 100 | 86 |
| 229.82 | 231.34 | 100 | 26 |
| 231.34 | 232.87 | 96 | 41 |
| 232.87 | 235.92 | 104 | 46 |
| 235.92 | 237.44 | 100 | 34 |
| 237.44 | 240.49 | 103 | 72 |
| 240.49 | 242.01 | 98 | 48 |
| 242.01 | 245.06 | 99 | 63 |
| 245.06 | 248.11 | 100 | 38 |
| 248.11 | 251.16 | 101 | 80 |
| 251.16 | 254.20 | 99 | 32 |
| 254.20 | 257.25 | 100 | 66 |
| 257.25 | 260.30 | 100 | 59 |
| 260.30 | 263.35 | 99 | 75 |
| 263.35 | 266.40 | 99 | 86 |
| 266.40 | 269.44 | 102 | 57 |
| 269.44 | 272.50 | 99 | 44 |
| 272.50 | 275.54 | 101 | 35 |
| 275.54 | 278.59 | 98 | 41 |
| 278.59 | 281.64 | 101 | 56 |
| 281.64 | 284.68 | 101 | 81 |
| 284.68 | 287.73 | 99 | 75 |
| 287.73 | 289.26 | 100 | 22 |
| 289.26 | 292.30 | 104 | 53 |
| 292.30 | 295.35 | 98 | 61 |
| 295.35 | 298.40 | 99 | 65 |
| 298.40 | 301.45 | 99 | 83 |
| 301.45 | 304.50 | 99 | 90 |
| 304.50 | 307.54 | 98 | 92 |
| 307.54 | 310.59 | 95 | 59 |
| 310.59 | 313.64 | 104 | 98 |
| 313.64 | 316.69 | 100 | 83 |
| 316.69 | 318.21 | 100 | 69 |
| 318.21 | 321.28 | 101 | 57 |
| 321.28 | E.O.H. | | |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Hole # 04-579

Date Logged: 2004.07.23
Logged By: R.T.

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 2.74 | 97 | 13 |
| 2.74 | 3.96 | 90 | 0 |
| 3.96 | 7.01 | 99 | 25 |
| 7.01 | 10.06 | 101 | 73 |
| 10.06 | 13.11 | 100 | 61 |
| 13.11 | 16.15 | 99 | 60 |
| 16.15 | 19.20 | 101 | 57 |
| 19.20 | 22.25 | 99 | 36 |
| 22.25 | 25.30 | 101 | 31 |
| 25.30 | 28.35 | 101 | 59 |
| 28.35 | 31.40 | 99 | 54 |
| 31.40 | 34.44 | 98 | 51 |
| 34.44 | 37.49 | 99 | 33 |
| 37.49 | 40.54 | 101 | 82 |
| 40.54 | 43.59 | 98 | 77 |
| 43.59 | 45.11 | 104 | 60 |
| 45.11 | 48.16 | 100 | 84 |
| 48.16 | 49.68 | 104 | 64 |
| 49.68 | 52.73 | 100 | 83 |
| 52.73 | 55.79 | 100 | 46 |
| 55.79 | 58.83 | 101 | 72 |
| 58.83 | 61.87 | 99 | 38 |
| 61.87 | 64.92 | 100 | 44 |
| 64.92 | 67.97 | 98 | 56 |
| 67.97 | 71.02 | 102 | 42 |
| 71.02 | 72.54 | 97 | 66 |
| 72.54 | 75.59 | 102 | 20 |
| 75.59 | 78.64 | 101 | 53 |
| 78.64 | 81.69 | 100 | 79 |
| 81.69 | 84.73 | 102 | 49 |
| 84.73 | 87.78 | 100 | 50 |
| 87.78 | 90.83 | 99 | 72 |
| 90.83 | 93.88 | 101 | 76 |
| 93.88 | 96.93 | 98 | 73 |
| 96.93 | 99.97 | 100 | 52 |
| 99.97 | 103.02 | 100 | 37 |
| 103.02 | 104.55 | 100 | 24 |
| 104.55 | 107.59 | 100 | 33 |
| 107.59 | 109.12 | 98 | 24 |

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 109.12 | 112.17 | 102 | 45 |
| 112.17 | 115.21 | 101 | 47 |
| 115.21 | 118.26 | 100 | 52 |
| 118.26 | 121.31 | 99 | 56 |
| 121.31 | 122.89 | 102 | 38 |
| 122.89 | 125.88 | 100 | 28 |
| 125.88 | 128.93 | 101 | 34 |
| 128.93 | 131.99 | 99 | 27 |
| 131.99 | 133.50 | 100 | 16 |
| 133.50 | 136.55 | 100 | 25 |
| 136.55 | 139.60 | 99 | 39 |
| 139.60 | 142.65 | 101 | 40 |
| 142.65 | 145.70 | 99 | 21 |
| 145.70 | 148.74 | 101 | 76 |
| 148.74 | 151.79 | 100 | 50 |
| 151.79 | 156.36 | 100 | 88 |
| 156.36 | 159.41 | 100 | 59 |
| 159.41 | 162.46 | 98 | 29 |
| 162.46 | 165.51 | 100 | 28 |
| 165.51 | 167.03 | 100 | 54 |
| 167.03 | 170.08 | 98 | 39 |
| 170.08 | 171.60 | 94 | 16 |
| 171.60 | 174.65 | 90 | 14 |
| 174.65 | 176.17 | 96 | 13 |
| 176.17 | 179.20 | 101 | 48 |
| 179.20 | 180.75 | 110 | 44 |
| 180.75 | 183.79 | 99 | 55 |
| 183.79 | 185.32 | 100 | 16 |
| 185.32 | 188.37 | 100 | 29 |
| 188.37 | 191.41 | 101 | 24 |
| 191.41 | 194.46 | 99 | 33 |
| 194.46 | 197.51 | 102 | 36 |
| 197.51 | 200.56 | 101 | 59 |
| 200.56 | 203.61 | 100 | 55 |
| 203.61 | 206.65 | 100 | 56 |
| 206.65 | 208.18 | 100 | 48 |
| 208.18 | 211.23 | 99 | 52 |
| 211.23 | 212.75 | 98 | 12 |
| 212.75 | 215.80 | 101 | 22 |

## Table 12 - Rock Quality Designation (RQD) and Core Recovery

Hole # **04-579**

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 215.80 | 218.85 | 102 | 57 |
| 218.85 | 221.89 | 101 | 69 |
| 221.89 | 224.94 | 99 | 60 |
| 224.94 | 228.00 | 101 | 80 |
| 228.00 | 229.51 | 100 | 41 |
| 229.51 | 232.56 | 101 | 73 |
| 232.56 | 235.61 | 98 | 59 |
| 235.61 | 238.66 | 99 | 63 |
| 238.66 | 241.71 | 97 | 53 |
| 241.71 | 244.75 | 101 | 77 |
| 244.75 | 247.80 | 100 | 76 |
| 247.80 | 250.85 | 100 | 90 |
| 250.85 | 253.90 | 99 | 66 |
| 253.90 | 255.42 | 102 | 89 |
| 255.42 | 260.00 | 98 | 45 |
| 260.00 | 261.52 | 98 | 0 |
| 261.52 | 263.04 | 100 | 8 |
| 263.04 | 264.57 | 99 | 32 |
| 264.57 | 266.09 | 100 | 42 |
| 266.09 | 267.61 | 110 | 43 |
| 267.61 | 270.66 | 95 | 33 |
| 270.66 | 273.71 | 105 | 48 |
| 273.71 | 276.76 | 95 | 39 |
| 276.76 | 278.28 | 100 | 90 |
| 278.28 | 281.13 | 100 | 49 |
| 281.13 | 284.38 | 97 | 69 |
| 284.38 | 287.43 | 102 | 95 |
| 287.43 | 288.95 | 104 | 96 |
| 288.95 | 292.00 | 100 | 90 |
| 292.00 | 295.05 | 99 | 85 |
| 295.05 | 298.09 | 100 | 68 |
| 298.09 | E.O.H. | | |

# Table 12 - Rock Quality Designation (RQD) and Core Recovery

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

**RQD and Core Recovery Values**

Hole # **04-580**

Date Logged: 2004.07.26
Logged By: R.T.

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 0.00 | 4.27 | 92 | 29 |
| 4.27 | 7.32 | 90 | 19 |
| 7.32 | 10.36 | 99 | 48 |
| 10.36 | 13.41 | 101 | 72 |
| 13.41 | 14.94 | 102 | 72 |
| 14.94 | 17.98 | 100 | 88 |
| 17.98 | 21.03 | 101 | 48 |
| 21.03 | 24.08 | 99 | 84 |
| 24.08 | 27.13 | 97 | 45 |
| 27.13 | 30.18 | 102 | 56 |
| 30.18 | 33.22 | 100 | 70 |
| 33.22 | 36.27 | 95 | 56 |
| 36.27 | 39.32 | 100 | 33 |
| 39.32 | 42.37 | 97 | 15 |
| 42.37 | 43.89 | 98 | 10 |
| 43.89 | 46.94 | 97 | 19 |
| 46.94 | 48.46 | 104 | 76 |
| 48.46 | 51.51 | 102 | 51 |
| 51.51 | 54.56 | 100 | 54 |
| 54.56 | 57.61 | 96 | 43 |
| 57.61 | 59.13 | 99 | 29 |
| 59.13 | 62.18 | 100 | 37 |
| 62.18 | 65.23 | 98 | 52 |
| 65.23 | 68.27 | 95 | 69 |
| 68.27 | 69.80 | 98 | 71 |
| 69.80 | 71.32 | 100 | 84 |
| 71.32 | 74.37 | 100 | 64 |
| 74.37 | 75.90 | 100 | 46 |
| 75.90 | 77.42 | 98 | 26 |
| 77.42 | 78.94 | 97 | 43 |
| 78.94 | 80.74 | 100 | 32 |
| 80.74 | 83.52 | 94 | 78 |
| 83.52 | 86.56 | 99 | 48 |
| 86.56 | 89.61 | 100 | 34 |
| 89.61 | 92.66 | 99 | 47 |
| 92.66 | 94.18 | 100 | 76 |
| 94.18 | 97.23 | 100 | 39 |
| 97.23 | 98.76 | 100 | 24 |
| 98.76 | 101.80 | 98 | 30 |

| Run | | | |
|---|---|---|---|
| from m | to m | | RQD % |
| 101.80 | 103.33 | 100 | 7 |
| 103.33 | 106.38 | 100 | 16 |
| 106.38 | 107.90 | 98 | 0 |
| 107.90 | 110.95 | 101 | 41 |
| 110.95 | 112.47 | 100 | 0 |
| 112.47 | 115.52 | 99 | 29 |
| 115.52 | 117.04 | 100 | 6 |
| 117.04 | 120.09 | 98 | 18 |
| 120.09 | 121.62 | 102 | 43 |
| 121.62 | 123.14 | 98 | 29 |
| 123.14 | 126.19 | 96 | 21 |
| 126.19 | 127.71 | 100 | 0 |
| 127.71 | 130.76 | 99 | 12 |
| 130.76 | 132.28 | 98 | 6 |
| 132.28 | 133.81 | 98 | 0 |
| 133.81 | 136.86 | 90 | 13 |
| 136.86 | 138.38 | 99 | 0 |
| 138.38 | 141.43 | 99 | 10 |
| 141.43 | 144.48 | 98 | 43 |
| 144.48 | 146.00 | 100 | 33 |
| 146.00 | 149.05 | 99 | 81 |
| 149.05 | 150.57 | 98 | 78 |
| 150.57 | 153.62 | 98 | 52 |
| 153.62 | 155.14 | 98 | 42 |
| 155.14 | 158.19 | 101 | 68 |
| 158.19 | 161.24 | 96 | 46 |
| 161.24 | 162.76 | 108 | 64 |
| 162.76 | 165.81 | 101 | 67 |
| 165.81 | 168.86 | 100 | 92 |
| 168.86 | 171.91 | 100 | 90 |
| 171.91 | 174.96 | 97 | 68 |
| 174.96 | 176.48 | 112 | 86 |
| 176.48 | 178.00 | 102 | 48 |
| 178.00 | 179.53 | 100 | 38 |
| 179.53 | 182.58 | 91 | 42 |
| 182.58 | 185.62 | 100 | 47 |
| 185.62 | 187.15 | 98 | 0 |
| 187.15 | 190.20 | 99 | 22 |
| 190.20 | 191.72 | 98 | 16 |

## Table 12 - Rock Quality Designation (RQD) and Core Recovery

Hole # **04-580**

| Run | | | |
|---|---|---|---|
| from m | to m | recovery % | RQD % |
| 191.72 | 193.24 | 106 | 24 |
| 193.24 | 196.29 | 101 | 13 |
| 196.29 | 197.82 | 100 | 0 |
| 197.82 | 199.34 | 100 | 7 |
| 199.34 | 200.86 | 100 | 17 |
| 200.86 | 203.91 | 100 | 36 |
| 203.91 | 205.44 | 100 | 14 |
| 205.44 | 208.48 | 100 | 15 |
| 208.48 | 210.01 | 102 | 27 |
| 210.01 | 211.53 | 100 | 16 |
| 211.53 | 213.06 | 100 | 18 |
| 213.06 | 216.10 | 100 | 66 |
| 216.10 | 218.85 | 93 | 24 |
| 218.85 | E.O.H. | | |

# APPENDIX D

## Field and Laboratory Specific Gravity Determinations

## Drill Holes 04-542 to 04-580

# Table 13 - Field and Laboratory Specific Gravity Determinations

**Willa Gold Project**
**Bethlehem Resources (1996) Corporation**
**Underground Drilling 2004**

**Specific Gravity Measurements**
**Acme: done on reject samples (crushed rock)**
**Core Logging Facility: done on whole pieces of core**

| Acme WO # | Acme Sample # | Hole # | From - To (m) | SG at CLF | SG at Acme | Rock Type | Comments |
|---|---|---|---|---|---|---|---|
| A401916R | 190025 | 04-542 | 48- 50 | 2.97 | 2.87 | Augite Porphyry Ros V | |
| A401916R | 190051 | 04-542 | 98-100 | 2.83 | | Augite Porphyry Ros V | |
| A401916R | 190075 | 04-542 | 146-148 | 2.94 | 2.83 | Augite Porphyry Ros V | |
| A401916R | 190100 | 04-542 | 194-196 | 2.88 | 2.86 | Augite Porphyry Ros V | |
| A401916R | 190125 | 04-543 | 44- 46 | 2.80 | 2.80 | Qtzite/Siltite Ros V | |
| A401916R | 190150 | 04-543 | 92- 94 | 2.88 | 2.88 | Augite Porphyry Ros V | |
| A402050R | 190175 | 04-544 | 2- 4 | 2.95 | 2.89 | Augite Porphyry Ros V | |
| A402050R | 190200 | 04-544 | 50- 52 | 2.75 | 2.66 | Siltite Ros V | |
| A402050R | 190225 | 04-544 | 100-102 | 2.93 | 2.88 | Augite Porphyry Ros V | |
| A402050R | 190250 | 04-545 | 34- 36 | 3.85 | 2.95 | Siltite Ros V | CLF sample contained 30% py |
| A402050R | 190250 | 04-545 | 34- 36 | 2.73 | 2.95 | Siltite Ros V | CLF sample contained 1% py |
| A402050R | 190275 | 04-545 | 84- 86 | 2.84 | 2.86 | Augite Porphyry Ros V | 2% py, 1% cpy |
| A402050R | 190300 | 04-545 | 132-134 | 2.98 | 2.87 | Augite Porphyry Ros V | 1% po & py |
| A402221R | 190325 | 04-546 | 40- 42 | 2.65 | 2.63 | QLP | tr py |
| A402221R | 190350 | 04-546 | 88- 90 | 2.84 | 2.86 | Augite Porphyry Ros V | |
| A402221R | 190375 | 04-547 | 46- 48 | 2.91 | 2.84 | Augite Porphyry Ros V | |
| A402221R | 190400 | 04-547 | 94- 96 | 2.87 | 2.81 | Augite Porphyry Ros V | |
| A402221R | 190425 | 04-548 | 16- 18 | 2.73 | 2.71 | Qtzite/Siltite Ros V | |
| A402221R | 190450 | 04-548 | 64- 66 | 2.97 | 2.84 | Augite Porphyry Ros V | |
| A402294R | 190475 | 04-549 | 36- 38 | 2.66 | 2.84 | Heterolithic Breccia? | |
| A402294R | 190475 | 04-549 | 36- 38 | 2.81 | 2.84 | Lamprophyre Dyke | |
| A402294R | 190500 | 04-549 | 84- 86 | 2.84 | 2.70 | Heterolithic Breccia | |

| Acme WO # | Acme Sample # | Hole # | From - To (m) | SG at CLF | SG at Acme | Rock Type | Comments |
|---|---|---|---|---|---|---|---|
| A402294R | 190525 | 04-549 | 134-136 | 2.97 | 2.91 | Heterolithic Breccia | w/ cpy & py, po |
| A402294R | 190525 | 04-549 | 134-136 | 2.79 | 2.91 | Heterolithic Breccia | w/ tr py |
| A402294R | 190550 | 04-550 | 34- 36 | 2.90 | 2.81 | Ros V | |
| A402294R | 190575 | 04-550 | 84- 86 | 2.93 | 2.72 | Heterolithic Breccia | Mafic vol frags w/ qtz stringers |
| A402294R | 190600 | 04-550 | 132-134 | 2.67 | 2.63 | Heterolithic Breccia | QLP frags |
| A402336R | 190625 | 04-551 | 42- 44 | 2.67 | 2.62 | Heterolithic Breccia | QLP frags |
| A402336R | 190650 | 04-551 | 90- 92 | 2.68 | 2.65 | Heterolithic Breccia | QLP frags |
| A402336R | 190675 | 04-552 | 4- 6 | 2.81 | 2.75 | Heterolithic Breccia | |
| A402336R | 190700 | 04-552 | 52- 54 | 2.84 | 2.76 | Augite Porphyry Ros V | |
| A402336R | 190725 | 04-552 | 102-104 | 2.69 | 2.59 | QLP | |
| A402336R | 190750 | 04-553 | 24- 26 | 2.99 | 2.81 | Ros V | w/ po & py |
| A402454R | 190775 | 04-553 | 74- 76 | 2.81 | 2.73 | Ros V | w/ qtz stringers |
| A402454R | 190800 | 04-553 | 122-124 | 2.78 | 2.80 | Ros V | w/ qtz stringers |
| A402454R | 190825 | 04-553 | 172-174 | 2.65 | 2.58 | QLP | |
| A402454R | 190850 | 04-553 | 220-222 | 2.56 | 2.57 | Clay altered QLP | |
| A402454R | 190875 | 04-554 | 20- 22 | 2.69 | 2.68 | Heterolithic Breccia | |
| A402454R | 190900 | 04-554 | 68- 70 | 2.68 | 2.63 | QLP | |
| A402470R | 190925 | 04-554 | 118-120 | 2.66 | 2.63 | Altered QLP | |
| A402470R | 190950 | 04-554 | 166-168 | 2.68 | 2.61 | QLP | |
| A402470R | 190975 | 04-555 | 16- 18 | 2.89 | 2.85 | Mafic Ros V | |
| A402470R | 191000 | 04-555 | 64- 66 | 2.84 | 2.82 | Mafic Ros V | |
| A402470R | 189025 | 04-555 | 114-116 | 2.67 | 2.57 | QLP | |
| A402470R | 189050 | 04-556 | 16- 18 | 2.91 | 2.80 | Ros V | |
| A402671R | 189075 | 04-556 | 66- 68 | 2.78 | 2.76 | Qtzite/Siltite Ros V | |
| A402671R | 189100 | 04-556 | 114-116 | 2.69 | 2.61 | QLP | |
| A402671R | 189125 | 04-557 | 36- 38 | 2.93 | 2.95 | Augite Porphyry Ros V | |
| A402671R | 189150 | 04-557 | 86- 88 | 2.96 | 2.78 | Ros V | |
| A402671R | 189175 | 04-558 | 28- 30 | 2.89 | 2.78 | Mafic Ros V | |
| A402671R | 189200 | 04-558 | 76- 78 | 2.68 | 2.64 | QLP | w/ hornblende |
| A402672R | 189225 | 04-558 | 126-127.4 | 2.68 | 2.66 | QLP | |
| A402672R | 189250 | 04-559 | 46- 48 | 2.95 | 2.85 | Mafic Ros V | |
| A402672R | 189275 | 04-559 | 96- 98 | 2.69 | 2.58 | QLP | |

| Acme WO # | Acme Sample # | Hole # | From - To (m) | SG at CLF | SG at Acme | Rock Type | Comments |
|---|---|---|---|---|---|---|---|
| A402672R | 189300 | 04-560 | 28- 30 | 2.96 | 2.74 | Mafic Ros V | |
| A402672R | 189325 | 04-560 | 78- 80 | 3.11 | 2.76 | Altered mafic Ros V | w/ epidote & magnetite |
| A402672R | 189350 | 04-561 | 0- 2 | 2.73 | 2.66 | QLP | |
| A402921R | 189375 | 04-561 | 50- 52 | 2.75 | 2.58 | QLP | w/ py |
| A402921R | 189400 | 04-563 | 12- 14 | 2.75 | 2.74 | Heterolithic Breccia | w/ py |
| A402921R | 189425 | 04-564 | 6- 8 | 2.84 | 2.68 | Heterolithic Breccia | Altered Ros vol seds frags w/ 3-4% py |
| A402921R | 189450 | 04-564 | 54- 56 | 2.75 | 2.64 | QLP | |
| A402921R | 189475 | 04-565 | 26- 28 | 2.89 | 2.72 | Heterolithic Breccia | Altered Ros vol seds frags w/ 2% py |
| A402921R | 189500 | 04-565 | 74- 76 | 2.75 | 2.64 | QLP | |
| A403025R | 189525 | 04-566 | 46- 48 | 2.94 | 2.86 | Augite Porphyry Ros V | |
| A403025R | 189550 | 04-566 | 94- 96 | 2.91 | 2.92 | Augite Porphyry Ros V | |
| A403025R | 189575 | 04-567 | 46- 48 | 2.72 | 2.83 | Ros V seds | |
| A403025R | 189600 | 04-567 | 94- 96 | 2.99 | 2.85 | Mafic Ros V | |
| A403025R | 157025 | 04-568 | 44- 46 | 2.89 | 2.81 | Mafic Ros V | w/ epidote & py |
| A403025R | 157050 | 04-569 | 10- 12 | 2.80 | 2.68 | Heterolithic Breccia | w/ felsic sed frags, 2% py |
| A403026R | 157075 | 04-569 | 60- 62 | 2.67 | 2.59 | Heterolithic Breccia | QLP frags |
| A403026R | 157100 | 04-570 | 32- 34 | 2.69 | 2.60 | QLP | breccia? |
| A403026R | 157125 | 04-571 | 30- 32 | 2.67 | 2.61 | QLP | ~1% py |
| A403026R | 157150 | 04-571 | 78- 80 | 2.66 | 2.60 | Heterolithic Breccia | QLP frags ~2% epidote |
| A403026R | 157175 | 04-572 | 28- 30 | 2.86 | 2.81 | Mafic Ros V | w/ 2% py, some epidote |
| A403026R | 157200 | 04-573 | 24- 26 | 2.59 | 2.59 | Heterolithic Breccia | |
| A403114R | 157225 | 04-573 | 74- 76 | 2.74 | 2.82 | Heterolithic Breccia | |
| A403114R | 157250 | 04-573 | 122-124 | 2.74 | 2.66 | Felsic Ros V | |
| A403114R | 157275 | 04-573 | 172-174 | 2.96 | 2.88 | Mafic Ros V | |
| A403114R | 157300 | 04-574 | 0- 2 | 2.62 | 2.59 | Heterolithic Breccia | QLP frags |
| A403114R | 157325 | 04-574 | 50- 52 | 2.78 | 2.67 | Heterolithic Breccia | Altered vol frags |
| A403114R | 157350 | 04-574 | 98-100 | 2.83 | 2.78 | Heterolithic Breccia | Mafic vol frags |
| A403316R | 157375 | 04-574 | 148-150 | 2.69 | 2.61 | QLP | |
| A403316R | 157400 | 04-575 | 14- 16 | 2.67 | 2.58 | Heterolithic Breccia | QLP frags |
| A403316R | 157425 | 04-575 | 64- 66 | 2.82 | 2.83 | Hetero Breccia QLP | w/ 5% py |
| A403316R | 157450 | 04-575 | 112-114 | 2.97 | 2.80 | Augite Porphyry Ros V | |
| A403316R | 157475 | 04-576 | 38- 40 | 2.81 | 2.72 | Heterolithic Breccia | |

| Acme WO # | Acme Sample # | Hole # | From - To (m) | SG at CLF | SG at Acme | Rock Type | Comments |
|---|---|---|---|---|---|---|---|
| A403316R | 157500 | 04-576 | 80- 82 | 2.74 | 2.76 | Heterolithic Breccia | |
| A403781R | 157525 | 04-576 | 136-138 | 2.68 | 2.71 | QLP | |
| A403781R | 157550 | 04-576 | 184-186 | 2.64 | 2.68 | QLP | |
| A403781R | 157575 | 04-576 | 234-236 | 2.65 | 2.83 | QLP | |
| A403781R | 157600 | 04-577 | 18- 20 | 2.61 | 2.86 | Heterolithic Breccia | Mafic vol frags |
| A403781R | 157625 | 04-577 | 68- 70 | 2.80 | 2.72 | Heterolithic Breccia | QLP frags |
| A403781R | 157650 | 04-577 | 116-118 | 2.87 | 2.67 | Heterolithic Breccia | Mafic vol frags |
| A403878R | 157675 | 04-578 | 20- 22 | 2.79 | 2.71 | Mafic Ros V | |
| A403878R | 157700 | 04-578 | 68- 70 | 2.78 | 2.68 | Heterolithic Breccia | Mafic vol frags |
| A403878R | 157725 | 04-578 | 118-120 | 2.92 | 2.83 | Heterolithic Breccia | Varied frags |
| A403878R | 157750 | 04-578 | 166-168 | 2.91 | 2.86 | Heterolithic Breccia | |
| A403878R | 157775 | 04-578 | 216-218 | 2.74 | 2.72 | Heterolithic Breccia | |
| A403878R | 157800 | 04-578 | 264-266 | 2.70 | 2.67 | Heterolithic Breccia | QLP frags |
| A403969R | 157825 | 04-578 | 314-316 | 2.85 | 2.74 | Feldspar porphyry | py |
| A403969R | 157850 | 04-579 | 40- 42 | 2.72 | 2.67 | Ros V | |
| A403969R | 157875 | 04-579 | 90- 92 | 2.98 | 2.76 | Heterolithic Breccia | |
| A403969R | 157900 | 04-579 | 138-140 | 2.76 | 2.69 | Heterolithic Breccia | |
| A403969R | 157925 | 04-579 | 188-190 | 2.85 | 2.82 | Heterolithic Breccia | |
| A403969R | 157950 | 04-579 | 236-238 | 2.81 | 2.72 | Heterolithic Breccia | |
| A404131R | 157975 | 04-579 | 286-288 | 2.81 | 2.76 | Heterolithic Breccia | |
| A404131R | 158000 | 04-580 | 36- 38 | 2.63 | 2.58 | Clay altered QLP | |
| A404131R | 149025 | 04-580 | 80- 82 | 2.77 | 2.75 | Heterolithic Breccia | QLP |
| A404131R | 149050 | 04-580 | 134-136 | 2.85 | 2.78 | Heterolithic Breccia | |
| A404131R | 149075 | 04-580 | 184-186 | 2.69 | 2.71 | Heterolithic Breccia | |

**Discovery Consultants**
**W.R. Gilmour, P.Geo.**
**December 15, 2004**

NB: Acme values should be more representative of the sample interval

# APPENDIX E

## Field and Laboratory Blank Samples

## Drill Holes 04-542 to 04-580

## Table 14 - Field and Laboratory Blank Samples

***Lab Blank Prep Sample (Silica):***

| WO # | Sample Number | Au g/t | Cu % | Ag g/t | Fe % | Mo % | W % | Pb % | Zn % | Cd % | As % | Sb % | Hg % | Bi % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A401916 | SI | 0.00 | 0.001 | 2 | 0.04 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |
| A402050 | SI | 0.00 | 0.000 | 0 | 0.03 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |
| A402221 | SI | 0.01 | 0.001 | 0 | 0.06 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |
| A402294 | SI | 0.00 | 0.000 | 0 | 0.05 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.001 | 0.00 | 0.001 |
| A402336 | SI | 0.00 | 0.001 | 0 | 0.05 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |
| A402454 | SI | 0.00 | 0.001 | 0 | 0.08 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.001 | 0.00 | 0.001 |
| A402470 | SI | 0.01 | 0.000 | 0 | 0.10 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.001 |
| A402671 | SI | 0.00 | 0.000 | 0 | 0.12 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |
| A402672 | SI | 0.00 | 0.000 | 0 | 0.04 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |
| A402921 | SI | 0.00 | 0.000 | 0 | 0.06 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.001 | 0.000 | 0.00 | 0.000 |
| A403025 | SI | 0.00 | 0.000 | 0 | 0.12 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.001 | 0.000 | 0.00 | 0.001 |
| A402026 | SI | 0.00 | 0.000 | 0 | 0.00 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |
| A403114 | SI | 0.01 | 0.001 | 0 | 0.05 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.002 | 0.000 | 0.00 | 0.001 |
| A403316 | SI | 0.00 | 0.000 | 0 | 0.02 | 0.001 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.001 | 0.00 | 0.000 |
| A403781 | SI | 0.00 | 0.000 | 0 | 0.06 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |
| A403878 | SI | 0.00 | 0.000 | 0 | 0.05 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |
| A403969 | SI | 0.00 | 0.000 | 0 | 0.01 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |
| A404131 | SI | 0.00 | 0.000 | 0 | 0.04 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |

| WO # | Sample Number | Cr % | Co % | Mn % | Mg % | Ca % | Sr % | K % | Al % | Na % | P % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A401916 | SI | 0.000 | 0.000 | 0.00 | 0.00 | 0.12 | 0.000 | 0.04 | 0.01 | 0.44 | 0.000 |
| A402050 | SI | 0.000 | 0.000 | 0.00 | 0.00 | 0.15 | 0.000 | 0.03 | 0.01 | 0.37 | 0.003 |
| A402221 | SI | 0.000 | 0.000 | 0.00 | 0.00 | 0.14 | 0.000 | 0.02 | 0.02 | 0.41 | 0.001 |
| A402294 | SI | 0.000 | 0.000 | 0.00 | 0.00 | 0.06 | 0.000 | 0.02 | 0.01 | 0.26 | 0.001 |
| A402336 | SI | 0.000 | 0.000 | 0.00 | 0.00 | 0.12 | 0.000 | 0.00 | 0.01 | 0.49 | 0.000 |
| A402454 | SI | 0.000 | 0.000 | 0.00 | 0.00 | 0.15 | 0.000 | 0.00 | 0.01 | 0.52 | 0.000 |
| A402470 | SI | 0.000 | 0.000 | 0.00 | 0.00 | 0.19 | 0.000 | 0.02 | 0.03 | 0.53 | 0.000 |
| A402671 | SI | 0.000 | 0.000 | 0.00 | 0.01 | 0.41 | 0.001 | 0.02 | 0.03 | 1.31 | 0.001 |
| A402672 | SI | 0.000 | 0.000 | 0.00 | 0.00 | 0.15 | 0.000 | 0.00 | 0.01 | 0.50 | 0.000 |
| A402921 | SI | 0.000 | 0.000 | 0.00 | 0.00 | 0.13 | 0.000 | 0.03 | 0.01 | 0.61 | 0.000 |
| A403025 | SI | 0.000 | 0.000 | 0.00 | 0.00 | 0.15 | 0.000 | 0.04 | 0.00 | 0.58 | 0.000 |
| A402026 | SI | 0.000 | 0.000 | 0.00 | 0.00 | 0.10 | 0.000 | 0.00 | 0.01 | 0.38 | 0.000 |
| A403114 | SI | 0.000 | 0.000 | 0.00 | 0.00 | 0.09 | 0.000 | 0.02 | 0.00 | 0.37 | 0.000 |
| A403316 | SI | 0.000 | 0.000 | 0.00 | 0.01 | 0.15 | 0.000 | 0.01 | 0.01 | 0.47 | 0.001 |
| A403781 | SI | 0.000 | 0.000 | 0.00 | 0.00 | 0.24 | 0.000 | 0.01 | 0.01 | 0.66 | 0.000 |
| A403878 | SI | 0.000 | 0.000 | 0.00 | 0.01 | 0.26 | 0.001 | 0.03 | 0.01 | 0.85 | 0.003 |
| A403969 | SI | 0.000 | 0.000 | 0.00 | 0.00 | 0.14 | 0.000 | 0.00 | 0.01 | 0.46 | 0.000 |
| A404131 | SI | 0.000 | 0.000 | 0.00 | 0.00 | 0.13 | 0.000 | 0.00 | 0.01 | 0.49 | 0.001 |

***Field Blank Samples (rock samples):***

| WO # | Sample Number | Au g/t | Cu % | Ag g/t | Fe % | Mo % | W % | Pb % | Zn % | Cd % | As % | Sb % | Hg % | Bi % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A401916 | E 190050 | 0.00 | 0.002 | 0 | 0.44 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.001 | 0.000 | 0.00 | 0.000 |
| A401916 | E 190099 | 0.01 | 0.005 | 0 | 0.55 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.001 | 0.000 | 0.00 | 0.000 |
| A401916 | E 190149 | 0.01 | 0.002 | 0 | 0.62 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |
| A402050 | E 190199 | 0.01 | 0.005 | 0 | 0.74 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |
| A402050 | E 190249 | 0.01 | 0.005 | 0 | 0.77 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.001 |
| A402050 | E 190299 | 0.01 | 0.004 | 0 | 0.77 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |
| A402221 | E 190349 | 0.01 | 0.004 | 0 | 0.67 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |
| A402221 | E 190399 | 0.01 | 0.003 | 0 | 1.05 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.001 |
| A402221 | E 190449 | 0.01 | 0.003 | 3 | 0.51 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.001 |
| A402294 | E 190499 | 0.00 | 0.005 | 0 | 0.54 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |
| A402294 | E 190549 | 0.00 | 0.003 | 0 | 0.54 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |
| A402294 | E 190599 | 0.02 | 0.002 | 0 | 0.54 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |
| A402336 | E 190649 | 0.01 | 0.002 | 0 | 0.60 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |
| A402336 | E 190699 | 0.02 | 0.004 | 0 | 0.69 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.001 |
| A402336 | E 190749 | 0.02 | 0.003 | 0 | 0.62 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |
| A402454 | E 190799 | 0.07 | 0.003 | 0 | 0.71 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |
| A402454 | E 190849 | 0.06 | 0.010 | 0 | 1.00 | 0.001 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.001 |
| A402454 | E 190899 | 0.00 | 0.002 | 0 | 0.54 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |
| A402470 | E 190949 | 0.01 | 0.002 | 0 | 0.54 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |
| A402470 | E 190999 | 0.01 | 0.003 | 0 | 0.67 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.002 | 0.000 | 0.00 | 0.001 |
| A402470 | E 189049 | 0.00 | 0.003 | 3 | 0.59 | 0.000 | 0.001 | 0.00 | 0.00 | 0.000 | 0.00 | 0.001 | 0.000 | 0.00 | 0.000 |
| A402671 | E 189099 | 0.00 | 0.002 | 0 | 0.61 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |
| A402671 | E 189149 | 0.01 | 0.005 | 0 | 0.74 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.001 | 0.000 | 0.00 | 0.001 |
| A402671 | E 189199 | 0.01 | 0.000 | 0 | 0.22 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.001 | 0.000 | 0.00 | 0.000 |
| A402921 | E 189399 | 0.03 | 0.006 | 0 | 0.58 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.001 |
| A402921 | E 189449 | 0.00 | 0.002 | 0 | 0.68 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |
| A402921 | E 189499 | 0.01 | 0.000 | 0 | 0.68 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.001 |
| A403025 | E 189549 | 0.00 | 0.004 | 2 | 0.59 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.001 | 0.000 | 0.00 | 0.000 |
| A403025 | E 189599 | 0.01 | 0.004 | 0 | 0.49 | 0.000 | 0.001 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |
| A403025 | E 157049 | 0.00 | 0.002 | 0 | 0.56 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |
| A402026 | E 157099 | 0.00 | 0.003 | 0 | 0.00 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.001 |
| A402026 | E 157149 | 0.01 | 0.003 | 0 | 0.00 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.001 |
| A402026 | E 157199 | 0.00 | 0.002 | 2 | 0.50 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.002 | 0.000 | 0.00 | 0.001 |

| WO # | Sample Number | Cr % | Co % | Mn % | Mg % | Ca % | Sr % | K % | Al % | Na % | P % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A401916 | E 190050 | 0.000 | 0.000 | 0.00 | 0.03 | 1.81 | 0.002 | 0.33 | 0.40 | 0.17 | 0.000 |
| A401916 | E 190099 | 0.001 | 0.000 | 0.00 | 0.02 | 1.20 | 0.002 | 0.26 | 0.29 | 0.13 | 0.002 |
| A401916 | E 190149 | 0.000 | 0.000 | 0.00 | 0.06 | 1.11 | 0.002 | 0.48 | 0.59 | 0.21 | 0.002 |
| A402050 | E 190199 | 0.001 | 0.000 | 0.00 | 0.10 | 0.92 | 0.002 | 0.41 | 0.62 | 0.23 | 0.002 |
| A402050 | E 190249 | 0.001 | 0.000 | 0.01 | 0.06 | 1.74 | 0.002 | 0.23 | 0.28 | 0.11 | 0.001 |
| A402050 | E 190299 | 0.001 | 0.000 | 0.00 | 0.05 | 1.79 | 0.002 | 0.49 | 0.71 | 0.30 | 0.000 |
| A402221 | E 190349 | 0.001 | 0.000 | 0.00 | 0.07 | 1.09 | 0.001 | 0.21 | 0.25 | 0.10 | 0.004 |
| A402221 | E 190399 | 0.002 | 0.000 | 0.01 | 0.24 | 0.92 | 0.002 | 0.55 | 0.72 | 0.26 | 0.003 |
| A402221 | E 190449 | 0.000 | 0.000 | 0.00 | 0.03 | 1.16 | 0.002 | 0.23 | 0.23 | 0.08 | 0.002 |
| A402294 | E 190499 | 0.001 | 0.000 | 0.00 | 0.07 | 1.09 | 0.001 | 0.17 | 0.21 | 0.07 | 0.001 |
| A402294 | E 190549 | 0.001 | 0.000 | 0.00 | 0.02 | 0.34 | 0.001 | 0.13 | 0.23 | 0.11 | 0.001 |
| A402294 | E 190599 | 0.002 | 0.000 | 0.00 | 0.04 | 1.12 | 0.002 | 0.17 | 0.26 | 0.09 | 0.001 |
| A402336 | E 190649 | 0.001 | 0.000 | 0.00 | 0.02 | 0.38 | 0.001 | 0.18 | 0.25 | 0.11 | 0.001 |
| A402336 | E 190699 | 0.001 | 0.000 | 0.00 | 0.03 | 0.49 | 0.001 | 0.15 | 0.27 | 0.10 | 0.000 |
| A402336 | E 190749 | 0.001 | 0.000 | 0.00 | 0.03 | 0.46 | 0.001 | 0.26 | 0.37 | 0.17 | 0.000 |
| A402454 | E 190799 | 0.001 | 0.000 | 0.00 | 0.04 | 0.51 | 0.001 | 0.16 | 0.28 | 0.10 | 0.001 |
| A402454 | E 190849 | 0.001 | 0.000 | 0.00 | 0.08 | 0.54 | 0.004 | 0.15 | 0.17 | 0.06 | 0.009 |
| A402454 | E 190899 | 0.000 | 0.000 | 0.00 | 0.02 | 0.94 | 0.001 | 0.12 | 0.18 | 0.06 | 0.003 |
| A402470 | E 190949 | 0.000 | 0.000 | 0.00 | 0.04 | 2.92 | 0.002 | 0.28 | 0.27 | 0.11 | 0.006 |
| A402470 | E 190999 | 0.002 | 0.000 | 0.00 | 0.04 | 1.34 | 0.001 | 0.17 | 0.23 | 0.09 | 0.000 |
| A402470 | E 189049 | 0.001 | 0.000 | 0.00 | 0.05 | 2.20 | 0.002 | 0.33 | 0.33 | 0.11 | 0.003 |
| A402671 | E 189099 | 0.000 | 0.000 | 0.01 | 0.02 | 0.89 | 0.001 | 0.24 | 0.26 | 0.12 | 0.000 |
| A402671 | E 189149 | 0.000 | 0.000 | 0.00 | 0.02 | 0.58 | 0.001 | 0.36 | 0.45 | 0.20 | 0.001 |
| A402671 | E 189199 | 0.000 | 0.000 | 0.00 | 0.00 | 0.72 | 0.001 | 0.08 | 0.10 | 0.02 | 0.001 |
| A402921 | E 189399 | 0.000 | 0.000 | 0.00 | 0.02 | 0.76 | 0.001 | 0.21 | 0.28 | 0.12 | 0.001 |
| A402921 | E 189449 | 0.001 | 0.000 | 0.00 | 0.03 | 1.37 | 0.002 | 0.38 | 0.53 | 0.25 | 0.003 |
| A402921 | E 189499 | 0.001 | 0.000 | 0.00 | 0.03 | 0.50 | 0.001 | 0.23 | 0.40 | 0.19 | 0.000 |
| A403025 | E 189549 | 0.000 | 0.000 | 0.00 | 0.07 | 0.93 | 0.001 | 0.18 | 0.27 | 0.10 | 0.000 |
| A403025 | E 189599 | 0.000 | 0.000 | 0.00 | 0.04 | 1.86 | 0.002 | 0.47 | 0.39 | 0.10 | 0.001 |
| A403025 | E 157049 | 0.001 | 0.000 | 0.00 | 0.02 | 1.26 | 0.002 | 0.25 | 0.23 | 0.14 | 0.001 |
| A402026 | E 157099 | 0.000 | 0.000 | 0.00 | 0.02 | 0.68 | 0.001 | 0.26 | 0.29 | 0.13 | 0.001 |
| A402026 | E 157149 | 0.000 | 0.000 | 0.01 | 0.02 | 0.94 | 0.001 | 0.20 | 0.24 | 0.10 | 0.002 |
| A402026 | E 157199 | 0.001 | 0.000 | 0.00 | 0.03 | 1.06 | 0.001 | 0.19 | 0.17 | 0.04 | 0.000 |

| WO # | Sample Number | Au g/t | Cu % | Ag g/t | Fe % | Mo % | W % | Pb % | Zn % | Cd % | As % | Sb % | Hg % | Bi % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A403114 | 157249 | 0.02 | 0.001 | 0 | 0.64 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.002 | 0.01 | 0.000 |
| A403114 | 157299 | 0.03 | 0.002 | 0 | 0.19 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |
| A403114 | 157349 | 0.01 | 0.003 | 0 | 0.46 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.001 |
| A403316 | 157399 | 0.01 | 0.004 | 0 | 0.57 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |
| A403316 | 157449 | 0.01 | 0.003 | 0 | 0.54 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |
| A403316 | 157499 | 0.01 | 0.002 | 2 | 0.83 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.002 | 0.000 | 0.00 | 0.000 |
| A403781 | 157549 | 0.01 | 0.003 | 0 | 0.59 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.001 |
| A403781 | 157599 | 0.00 | 0.004 | 0 | 0.64 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |
| A403781 | 157649 | 0.00 | 0.004 | 0 | 0.49 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.001 |
| A403878 | 157699 | 0.01 | 0.004 | 0 | 0.57 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.001 | 0.000 | 0.00 | 0.000 |
| A403878 | 157749 | 0.01 | 0.004 | 0 | 0.45 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.001 | 0.00 | 0.001 |
| A403878 | 157799 | 0.00 | 0.004 | 0 | 0.50 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |
| A403969 | 157849 | 0.01 | 0.003 | 0 | 0.57 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |
| A403969 | 157899 | 0.00 | 0.004 | 0 | 0.51 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.000 |
| A403969 | 157949 | 0.01 | 0.003 | 0 | 0.54 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 0.00 | 0.001 |
| A404131 | 157999 | 0.01 | 0.003 | 0 | 0.56 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.001 | 0.000 | 0.00 | 0.000 |
| A404131 | 149049 | 0.03 | 0.004 | 0 | 0.64 | 0.000 | 0.000 | 0.00 | 0.00 | 0.000 | 0.00 | 0.000 | 0.001 | 0.00 | 0.000 |

| WO # | Sample Number | Cr % | Co % | Mn % | Mg % | Ca % | Sr % | K % | Al % | Na % | P % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A403114 | 157249 | 0.001 | 0.000 | 0.00 | 0.05 | 1.97 | 0.002 | 0.78 | 0.71 | 0.40 | 0.000 |
| A403114 | 157299 | 0.000 | 0.000 | 0.01 | 0.03 | 1.15 | 0.001 | 0.46 | 0.56 | 0.22 | 0.000 |
| A403114 | 157349 | 0.000 | 0.000 | 0.01 | 0.03 | 2.96 | 0.003 | 0.63 | 0.56 | 0.21 | 0.001 |
| A403316 | 157399 | 0.000 | 0.000 | 0.01 | 0.03 | 2.67 | 0.003 | 0.38 | 0.40 | 0.16 | 0.002 |
| A403316 | 157449 | 0.000 | 0.000 | 0.01 | 0.03 | 2.05 | 0.002 | 0.53 | 0.49 | 0.19 | 0.000 |
| A403316 | 157499 | 0.001 | 0.000 | 0.01 | 0.02 | 0.37 | 0.001 | 0.30 | 0.30 | 0.13 | 0.002 |
| A403781 | 157549 | 0.001 | 0.000 | 0.00 | 0.02 | 0.35 | 0.001 | 0.21 | 0.29 | 0.11 | 0.000 |
| A403781 | 157599 | 0.000 | 0.000 | 0.00 | 0.03 | 1.42 | 0.001 | 0.21 | 0.21 | 0.09 | 0.002 |
| A403781 | 157649 | 0.000 | 0.000 | 0.00 | 0.03 | 1.98 | 0.002 | 0.43 | 0.51 | 0.17 | 0.001 |
| A403878 | 157699 | 0.000 | 0.000 | 0.00 | 0.02 | 1.17 | 0.002 | 0.24 | 0.34 | 0.12 | 0.000 |
| A403878 | 157749 | 0.000 | 0.000 | 0.00 | 0.03 | 0.87 | 0.002 | 0.29 | 0.39 | 0.19 | 0.000 |
| A403878 | 157799 | 0.000 | 0.000 | 0.00 | 0.02 | 0.43 | 0.001 | 0.17 | 0.24 | 0.09 | 0.001 |
| A403969 | 157849 | 0.000 | 0.000 | 0.00 | 0.04 | 0.76 | 0.001 | 0.15 | 0.21 | 0.09 | 0.002 |
| A403969 | 157899 | 0.001 | 0.000 | 0.00 | 0.02 | 0.50 | 0.001 | 0.15 | 0.20 | 0.08 | 0.000 |
| A403969 | 157949 | 0.001 | 0.000 | 0.00 | 0.05 | 0.75 | 0.001 | 0.16 | 0.18 | 0.08 | 0.002 |
| A404131 | 157999 | 0.001 | 0.000 | 0.00 | 0.02 | 0.37 | 0.001 | 0.14 | 0.20 | 0.09 | 0.000 |
| A404131 | 149049 | 0.001 | 0.000 | 0.00 | 0.03 | 0.75 | 0.001 | 0.19 | 0.24 | 0.12 | 0.000 |

# APPENDIX F

## Laboratory Standards

## Drill Holes 04-542 to 04-580

## Table 15 - Laboratory Standard

| WO # | Sample Number | Au g/t | Cu % | Ag g/t | Fe % | Mo % | W % | Pb % | Zn % | Cd % | As % | Sb % | Hg % | Bi % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A401916 | R-2a/AU-1 | 3.28 | 0.569 | 157 | 22.74 | 0.051 | 0.060 | 1.56 | 4.12 | 0.030 | 0.24 | 0.131 | 0.185 | 0.00 | 0.366 |
| A401916 | R-2a/AU-1 | 3.27 | 0.562 | 156 | 22.46 | 0.050 | 0.055 | 1.52 | 4.21 | 0.029 | 0.23 | 0.127 | 0.176 | 0.00 | 0.357 |
| A401916 | R-2a/AU-1 | 3.28 | 0.559 | 155 | 22.98 | 0.050 | 0.056 | 1.52 | 4.23 | 0.029 | 0.23 | 0.130 | 0.182 | 0.00 | 0.358 |
| A401916 | R-2a/AU-1 | 3.30 | 0.568 | 158 | 22.57 | 0.051 | 0.059 | 1.55 | 4.28 | 0.030 | 0.24 | 0.131 | 0.183 | 0.00 | 0.360 |
| A401916 | R-2a/AU-1 | 3.30 | 0.564 | 158 | 22.55 | 0.050 | 0.056 | 1.53 | 4.29 | 0.030 | 0.24 | 0.133 | 0.179 | 0.00 | 0.356 |
| A402050 | R-2a/AU-1 | 3.29 | 0.557 | 158 | 23.25 | 0.052 | 0.059 | 1.58 | 4.22 | 0.031 | 0.24 | 0.135 | 0.181 | 0.00 | 0.369 |
| A402050 | R-2a/AU-1 | 3.37 | 0.553 | 154 | 22.74 | 0.050 | 0.058 | 1.56 | 4.25 | 0.030 | 0.24 | 0.130 | 0.182 | 0.00 | 0.357 |
| A402050 | R-2a/AU-1 | 3.35 | 0.550 | 156 | 22.28 | 0.049 | 0.057 | 1.47 | 4.20 | 0.028 | 0.23 | 0.122 | 0.170 | 0.00 | 0.347 |
| A402050 | R-2a/AU-1 | 3.36 | 0.551 | 152 | 22.69 | 0.050 | 0.059 | 1.51 | 4.24 | 0.030 | 0.23 | 0.128 | 0.175 | 0.00 | 0.370 |
| A402050 | R-2a/AU-1 | 3.38 | 0.556 | 154 | 22.75 | 0.050 | 0.056 | 1.50 | 4.26 | 0.029 | 0.25 | 0.132 | 0.177 | 0.00 | 0.365 |
| A402221 | R-2a/AU-1 | 3.32 | 0.561 | 157 | 22.99 | 0.051 | 0.058 | 1.54 | 4.26 | 0.030 | 0.25 | 0.132 | 0.178 | 0.00 | 0.366 |
| A402221 | R-2a/AU-1 | 3.32 | 0.557 | 155 | 22.34 | 0.050 | 0.058 | 1.49 | 4.25 | 0.028 | 0.23 | 0.123 | 0.171 | 0.00 | 0.369 |
| A402221 | R-2a/AU-1 | 3.33 | 0.553 | 155 | 22.22 | 0.049 | 0.054 | 1.45 | 4.25 | 0.029 | 0.23 | 0.127 | 0.172 | 0.00 | 0.360 |
| A402221 | R-2a/AU-1 | 3.31 | 0.555 | 157 | 22.67 | 0.049 | 0.060 | 1.48 | 4.24 | 0.029 | 0.23 | 0.131 | 0.172 | 0.00 | 0.370 |
| A402221 | R-2a/AU-1 | 3.29 | 0.560 | 158 | 22.96 | 0.050 | 0.055 | 1.49 | 4.20 | 0.029 | 0.23 | 0.131 | 0.172 | 0.00 | 0.371 |
| A402294 | R-2a/AU-1 | 3.36 | 0.554 | 152 | 22.65 | 0.050 | 0.057 | 1.52 | 4.22 | 0.029 | 0.23 | 0.130 | 0.175 | 0.00 | 0.368 |
| A402294 | R-2a/AU-1 | 3.37 | 0.560 | 157 | 22.40 | 0.050 | 0.054 | 1.48 | 4.25 | 0.028 | 0.23 | 0.128 | 0.174 | 0.00 | 0.367 |
| A402294 | R-2a/AU-1 | 3.32 | 0.553 | 155 | 22.25 | 0.048 | 0.054 | 1.47 | 4.25 | 0.028 | 0.22 | 0.128 | 0.170 | 0.00 | 0.363 |
| A402294 | R-2a/AU-1 | 3.33 | 0.566 | 155 | 22.53 | 0.051 | 0.059 | 1.47 | 4.26 | 0.030 | 0.24 | 0.134 | 0.184 | 0.00 | 0.363 |
| A402294 | R-2a/AU-1 | 3.39 | 0.553 | 156 | 22.89 | 0.050 | 0.056 | 1.50 | 4.22 | 0.029 | 0.22 | 0.130 | 0.173 | 0.00 | 0.372 |
| A402336 | R-2a/AU-1 | 3.36 | 0.560 | 157 | 22.75 | 0.049 | 0.055 | 1.53 | 4.30 | 0.028 | 0.22 | 0.129 | 0.175 | 0.00 | 0.362 |
| A402336 | R-2a/AU-1 | 3.35 | 0.563 | 153 | 23.11 | 0.050 | 0.058 | 1.51 | 4.27 | 0.030 | 0.24 | 0.132 | 0.179 | 0.00 | 0.372 |
| A402336 | R-2a/AU-1 | 3.36 | 0.566 | 154 | 23.04 | 0.050 | 0.058 | 1.50 | 4.25 | 0.029 | 0.23 | 0.133 | 0.177 | 0.00 | 0.361 |
| A402336 | R-2a/AU-1 | 3.38 | 0.563 | 156 | 22.49 | 0.051 | 0.059 | 1.52 | 4.31 | 0.030 | 0.24 | 0.133 | 0.179 | 0.00 | 0.369 |
| A402336 | R-2a/AU-1 | 3.31 | 0.554 | 154 | 22.76 | 0.050 | 0.058 | 1.49 | 4.21 | 0.029 | 0.23 | 0.127 | 0.171 | 0.00 | 0.367 |
| A402454 | R-2a/AU-1 | 3.34 | 0.558 | 156 | 22.57 | 0.049 | 0.067 | 1.50 | 4.25 | 0.029 | 0.23 | 0.129 | 0.171 | 0.00 | 0.376 |
| A402454 | R-2a/AU-1 | 3.36 | 0.563 | 156 | 22.41 | 0.049 | 0.067 | 1.47 | 4.29 | 0.029 | 0.24 | 0.130 | 0.174 | 0.00 | 0.375 |
| A402454 | R-2a/AU-1 | 3.40 | 0.558 | 155 | 22.63 | 0.050 | 0.076 | 1.53 | 4.26 | 0.030 | 0.25 | 0.128 | 0.178 | 0.00 | 0.376 |
| A402454 | R-2a/AU-1 | 3.29 | 0.550 | 157 | 22.48 | 0.050 | 0.064 | 1.50 | 4.26 | 0.029 | 0.23 | 0.128 | 0.175 | 0.00 | 0.371 |
| A402454 | R-2a/AU-1 | 3.24 | 0.553 | 156 | 22.36 | 0.048 | 0.067 | 1.49 | 4.25 | 0.029 | 0.23 | 0.126 | 0.172 | 0.00 | 0.363 |
| A402470 | R-2a/AU-1 | 3.36 | 0.557 | 153 | 22.49 | 0.049 | 0.067 | 1.51 | 4.28 | 0.029 | 0.24 | 0.127 | 0.173 | 0.00 | 0.368 |
| A402470 | R-2a/AU-1 | 3.36 | 0.559 | 153 | 22.50 | 0.049 | 0.059 | 1.52 | 4.27 | 0.029 | 0.24 | 0.129 | 0.174 | 0.00 | 0.378 |
| A402470 | R-2a/AU-1 | 3.36 | 0.562 | 156 | 22.53 | 0.050 | 0.070 | 1.53 | 4.29 | 0.029 | 0.25 | 0.132 | 0.175 | 0.00 | 0.369 |

| WO # | Sample Number | Cr % | Co % | Mn % | Mg % | Ca % | Sr % | K % | Al % | Na % | P % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A401916 | R-2a/AU-1 | 0.073 | 0.046 | 0.20 | 1.61 | 2.46 | 0.172 | 0.55 | 1.33 | 0.20 | 0.083 |
| A401916 | R-2a/AU-1 | 0.072 | 0.045 | 0.20 | 1.58 | 2.31 | 0.172 | 0.49 | 1.25 | 0.16 | 0.079 |
| A401916 | R-2a/AU-1 | 0.071 | 0.044 | 0.20 | 1.64 | 2.38 | 0.165 | 0.56 | 1.29 | 0.20 | 0.079 |
| A401916 | R-2a/AU-1 | 0.073 | 0.046 | 0.20 | 1.60 | 2.45 | 0.166 | 0.52 | 1.29 | 0.19 | 0.084 |
| A401916 | R-2a/AU-1 | 0.072 | 0.045 | 0.20 | 1.68 | 2.43 | 0.166 | 0.54 | 1.33 | 0.19 | 0.083 |
| A402050 | R-2a/AU-1 | 0.075 | 0.046 | 0.21 | 1.67 | 2.45 | 0.170 | 0.53 | 1.29 | 0.18 | 0.085 |
| A402050 | R-2a/AU-1 | 0.073 | 0.044 | 0.20 | 1.62 | 2.35 | 0.167 | 0.52 | 1.38 | 0.18 | 0.086 |
| A402050 | R-2a/AU-1 | 0.072 | 0.043 | 0.20 | 1.52 | 2.27 | 0.161 | 0.51 | 1.38 | 0.18 | 0.079 |
| A402050 | R-2a/AU-1 | 0.071 | 0.045 | 0.20 | 1.63 | 2.37 | 0.163 | 0.55 | 1.26 | 0.18 | 0.080 |
| A402050 | R-2a/AU-1 | 0.072 | 0.044 | 0.21 | 1.59 | 2.36 | 0.172 | 0.54 | 1.38 | 0.18 | 0.074 |
| A402221 | R-2a/AU-1 | 0.073 | 0.045 | 0.20 | 1.59 | 2.36 | 0.169 | 0.51 | 1.36 | 0.20 | 0.081 |
| A402221 | R-2a/AU-1 | 0.070 | 0.043 | 0.20 | 1.55 | 2.29 | 0.157 | 0.49 | 1.25 | 0.19 | 0.076 |
| A402221 | R-2a/AU-1 | 0.072 | 0.044 | 0.20 | 1.59 | 2.36 | 0.165 | 0.51 | 1.31 | 0.19 | 0.081 |
| A402221 | R-2a/AU-1 | 0.072 | 0.043 | 0.20 | 1.54 | 2.32 | 0.163 | 0.52 | 1.36 | 0.22 | 0.080 |
| A402221 | R-2a/AU-1 | 0.074 | 0.044 | 0.20 | 1.59 | 2.39 | 0.173 | 0.55 | 1.33 | 0.21 | 0.076 |
| A402294 | R-2a/AU-1 | 0.072 | 0.044 | 0.20 | 1.57 | 2.35 | 0.168 | 0.51 | 1.36 | 0.19 | 0.085 |
| A402294 | R-2a/AU-1 | 0.071 | 0.044 | 0.20 | 1.55 | 2.30 | 0.162 | 0.50 | 1.32 | 0.15 | 0.082 |
| A402294 | R-2a/AU-1 | 0.070 | 0.044 | 0.20 | 1.51 | 2.24 | 0.162 | 0.49 | 1.33 | 0.18 | 0.082 |
| A402294 | R-2a/AU-1 | 0.074 | 0.046 | 0.21 | 1.65 | 2.41 | 0.171 | 0.56 | 1.28 | 0.20 | 0.084 |
| A402294 | R-2a/AU-1 | 0.072 | 0.045 | 0.20 | 1.56 | 2.33 | 0.166 | 0.53 | 1.38 | 0.18 | 0.082 |
| A402336 | R-2a/AU-1 | 0.071 | 0.044 | 0.20 | 1.52 | 2.29 | 0.170 | 0.51 | 1.35 | 0.20 | 0.077 |
| A402336 | R-2a/AU-1 | 0.072 | 0.044 | 0.20 | 1.58 | 2.35 | 0.172 | 0.50 | 1.36 | 0.19 | 0.083 |
| A402336 | R-2a/AU-1 | 0.072 | 0.045 | 0.20 | 1.59 | 2.35 | 0.173 | 0.53 | 1.37 | 0.19 | 0.083 |
| A402336 | R-2a/AU-1 | 0.073 | 0.044 | 0.20 | 1.57 | 2.33 | 0.169 | 0.52 | 1.37 | 0.18 | 0.084 |
| A402336 | R-2a/AU-1 | 0.071 | 0.043 | 0.20 | 1.55 | 2.30 | 0.166 | 0.51 | 1.26 | 0.19 | 0.073 |
| A402454 | R-2a/AU-1 | 0.071 | 0.045 | 0.20 | 1.61 | 2.30 | 0.162 | 0.53 | 1.32 | 0.16 | 0.072 |
| A402454 | R-2a/AU-1 | 0.071 | 0.045 | 0.20 | 1.60 | 2.28 | 0.165 | 0.48 | 1.34 | 0.19 | 0.075 |
| A402454 | R-2a/AU-1 | 0.072 | 0.045 | 0.20 | 1.67 | 2.39 | 0.168 | 0.55 | 1.31 | 0.20 | 0.079 |
| A402454 | R-2a/AU-1 | 0.073 | 0.044 | 0.20 | 1.60 | 2.37 | 0.169 | 0.50 | 1.33 | 0.21 | 0.081 |
| A402454 | R-2a/AU-1 | 0.070 | 0.044 | 0.19 | 1.59 | 2.25 | 0.158 | 0.52 | 1.30 | 0.20 | 0.074 |
| A402470 | R-2a/AU-1 | 0.072 | 0.044 | 0.19 | 1.62 | 2.34 | 0.159 | 0.50 | 1.35 | 0.19 | 0.082 |
| A402470 | R-2a/AU-1 | 0.073 | 0.045 | 0.20 | 1.63 | 2.35 | 0.162 | 0.50 | 1.33 | 0.14 | 0.080 |
| A402470 | R-2a/AU-1 | 0.073 | 0.044 | 0.20 | 1.63 | 2.35 | 0.172 | 0.57 | 1.37 | 0.16 | 0.072 |

| WO # | Sample Number | Au g/t | Cu % | Ag g/t | Fe % | Mo % | W % | Pb % | Zn % | Cd % | As % | Sb % | Hg % | Bi % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A402470 | R-2a/AU-1 | 3.36 | 0.561 | 154 | 22.45 | 0.049 | 0.069 | 1.52 | 4.25 | 0.028 | 0.24 | 0.129 | 0.177 | 0.00 | 0.371 |
| A402470 | R-2a/AU-1 | 3.34 | 0.553 | 156 | 22.38 | 0.050 | 0.062 | 1.50 | 4.28 | 0.028 | 0.24 | 0.125 | 0.173 | 0.00 | 0.373 |
| A402671 | R-2a/AU-1 | 3.37 | 0.567 | 150 | 22.60 | 0.049 | 0.065 | 1.52 | 4.22 | 0.029 | 0.24 | 0.128 | 0.174 | 0.00 | 0.375 |
| A402671 | R-2a/AU-1 | 3.35 | 0.567 | 156 | 22.65 | 0.051 | 0.070 | 1.57 | 4.27 | 0.030 | 0.25 | 0.131 | 0.181 | 0.00 | 0.382 |
| A402671 | R-2a/AU-1 | 3.40 | 0.561 | 157 | 23.06 | 0.047 | 0.067 | 1.59 | 4.16 | 0.030 | 0.23 | 0.131 | 0.181 | 0.00 | 0.378 |
| A402671 | R-2a/AU-1 | 3.39 | 0.560 | 155 | 22.66 | 0.050 | 0.072 | 1.52 | 4.28 | 0.029 | 0.25 | 0.131 | 0.176 | 0.00 | 0.372 |
| A402671 | R-2a/AU-1 | 3.32 | 0.564 | 157 | 24.28 | 0.048 | 0.069 | 1.50 | 4.18 | 0.030 | 0.24 | 0.124 | 0.175 | 0.00 | 0.370 |
| A402672 | R-2a/AU-1 | 3.39 | 0.555 | 153 | 22.86 | 0.049 | 0.065 | 1.47 | 4.17 | 0.029 | 0.25 | 0.131 | 0.172 | 0.00 | 0.357 |
| A402672 | R-2a/AU-1 | 3.37 | 0.563 | 152 | 23.04 | 0.049 | 0.064 | 1.44 | 4.18 | 0.028 | 0.25 | 0.131 | 0.178 | 0.00 | 0.358 |
| A402672 | R-2a/AU-1 | 3.37 | 0.555 | 157 | 23.56 | 0.050 | 0.062 | 1.54 | 4.22 | 0.030 | 0.23 | 0.133 | 0.180 | 0.00 | 0.375 |
| A402921 | R-2a/AU-1 | 3.31 | 0.569 | 155 | 23.11 | 0.048 | 0.070 | 1.57 | 4.22 | 0.031 | 0.24 | 0.130 | 0.179 | 0.00 | 0.378 |
| A402921 | R-2a/AU-1 | 3.39 | 0.559 | 155 | 22.79 | 0.049 | 0.074 | 1.54 | 4.12 | 0.029 | 0.24 | 0.128 | 0.172 | 0.00 | 0.373 |
| A402921 | R-2a/AU-1 | 3.38 | 0.570 | 155 | 23.54 | 0.048 | 0.071 | 1.59 | 4.31 | 0.031 | 0.24 | 0.136 | 0.184 | 0.00 | 0.386 |
| A402921 | R-2a/AU-1 | 3.26 | 0.561 | 155 | 23.44 | 0.048 | 0.073 | 1.56 | 4.21 | 0.030 | 0.24 | 0.130 | 0.178 | 0.00 | 0.384 |
| A402921 | R-2a/AU-1 | 3.28 | 0.569 | 153 | 22.95 | 0.048 | 0.076 | 1.53 | 4.24 | 0.030 | 0.23 | 0.133 | 0.178 | 0.00 | 0.370 |
| A403025 | R-2a/AU-1 | 3.38 | 0.570 | 160 | 23.10 | 0.049 | 0.076 | 1.51 | 4.28 | 0.031 | 0.24 | 0.134 | 0.185 | 0.00 | 0.384 |
| A403025 | R-2a/AU-1 | 3.40 | 0.566 | 158 | 22.82 | 0.048 | 0.074 | 1.56 | 4.30 | 0.030 | 0.24 | 0.132 | 0.182 | 0.00 | 0.381 |
| A403025 | R-2a/AU-1 | 3.35 | 0.568 | 155 | 22.68 | 0.047 | 0.068 | 1.56 | 4.24 | 0.030 | 0.24 | 0.132 | 0.178 | 0.00 | 0.375 |
| A403025 | R-2a/AU-1 | 3.41 | 0.558 | 154 | 22.78 | 0.049 | 0.062 | 1.57 | 4.04 | 0.028 | 0.23 | 0.127 | 0.168 | 0.00 | 0.355 |
| A403025 | R-2a/AU-1 | 3.38 | 0.554 | 156 | 22.85 | 0.046 | 0.078 | 1.53 | 4.23 | 0.030 | 0.25 | 0.128 | 0.174 | 0.01 | 0.368 |
| A402026 | R-2a/AU-1 | 3.39 | 0.554 | 156 | 22.39 | 0.049 | 0.059 | 1.46 | 4.11 | 0.028 | 0.24 | 0.127 | 0.168 | 0.00 | 0.370 |
| A402026 | R-2a/AU-1 | 3.39 | 0.552 | 155 | 22.52 | 0.049 | 0.060 | 1.47 | 4.14 | 0.028 | 0.24 | 0.129 | 0.169 | 0.00 | 0.368 |
| A402026 | R-2a/AU-1 | 3.37 | 0.555 | 156 | 22.56 | 0.050 | 0.055 | 1.48 | 4.16 | 0.028 | 0.24 | 0.129 | 0.170 | 0.00 | 0.370 |
| A402026 | R-2a/AU-1 | 3.36 | 0.556 | 156 | 22.36 | 0.048 | 0.060 | 1.63 | 4.19 | 0.028 | 0.24 | 0.129 | 0.172 | 0.00 | 0.377 |
| A402026 | R-2a/AU-1 | 3.42 | 0.554 | 150 | 22.90 | 0.050 | 0.064 | 1.55 | 4.15 | 0.032 | 0.25 | 0.136 | 0.184 | 0.00 | 0.391 |
| A403114 | R-2a/AU-1 | 3.42 | 0.564 | 158 | 22.60 | 0.048 | 0.071 | 1.51 | 4.30 | 0.031 | 0.23 | 0.131 | 0.181 | 0.00 | 0.391 |
| A403114 | R-2a/AU-1 | 3.43 | 0.558 | 156 | 22.69 | 0.047 | 0.062 | 1.57 | 4.22 | 0.029 | 0.23 | 0.130 | 0.183 | 0.00 | 0.376 |
| A403114 | R-2a/AU-1 | 3.39 | 0.555 | 156 | 23.15 | 0.050 | 0.064 | 1.49 | 4.29 | 0.029 | 0.24 | 0.131 | 0.175 | 0.00 | 0.371 |
| A403114 | R-2a/AU-1 | 3.42 | 0.561 | 158 | 22.57 | 0.050 | 0.053 | 1.53 | 4.25 | 0.028 | 0.23 | 0.126 | 0.169 | 0.00 | 0.360 |
| A403114 | R-2a/AU-1 | 3.43 | 0.559 | 156 | 22.86 | 0.049 | 0.061 | 1.48 | 4.19 | 0.027 | 0.23 | 0.124 | 0.168 | 0.00 | 0.368 |
| A403316 | R-2a/AU-1 | 3.45 | 0.557 | 159 | 23.05 | 0.050 | 0.060 | 1.51 | 4.16 | 0.028 | 0.24 | 0.131 | 0.173 | 0.00 | 0.371 |
| A403316 | R-2a/AU-1 | 3.38 | 0.550 | 157 | 23.58 | 0.051 | 0.066 | 1.53 | 4.05 | 0.029 | 0.24 | 0.129 | 0.175 | 0.00 | 0.361 |
| A403316 | R-2a/AU-1 | 3.41 | 0.552 | 157 | 23.22 | 0.051 | 0.059 | 1.52 | 4.06 | 0.028 | 0.24 | 0.127 | 0.174 | 0.00 | 0.358 |
| A403316 | R-2a/AU-1 | 3.34 | 0.545 | 157 | 22.96 | 0.050 | 0.056 | 1.56 | 4.08 | 0.028 | 0.24 | 0.127 | 0.173 | 0.00 | 0.354 |
| A403316 | R-2a/AU-1 | 3.42 | 0.572 | 158 | 24.04 | 0.048 | 0.060 | 1.50 | 4.24 | 0.029 | 0.23 | 0.122 | 0.180 | 0.00 | 0.380 |
| A403781 | R-2a/AU-1 | 3.42 | 0.555 | 157 | 22.64 | 0.049 | 0.062 | 1.52 | 4.17 | 0.028 | 0.22 | 0.123 | 0.170 | 0.00 | 0.363 |

| WO # | Sample Number | Cr % | Co % | Mn % | Mg % | Ca % | Sr % | K % | Al % | Na % | P % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A402470 | R-2a/AU-1 | 0.071 | 0.046 | 0.20 | 1.64 | 2.32 | 0.165 | 0.53 | 1.33 | 0.20 | 0.077 |
| A402470 | R-2a/AU-1 | 0.074 | 0.045 | 0.20 | 1.63 | 2.39 | 0.159 | 0.54 | 1.36 | 0.16 | 0.081 |
| A402671 | R-2a/AU-1 | 0.074 | 0.043 | 0.20 | 1.67 | 2.43 | 0.166 | 0.53 | 1.32 | 0.18 | 0.077 |
| A402671 | R-2a/AU-1 | 0.076 | 0.045 | 0.21 | 1.71 | 2.48 | 0.169 | 0.55 | 1.36 | 0.21 | 0.087 |
| A402671 | R-2a/AU-1 | 0.072 | 0.044 | 0.20 | 1.67 | 2.41 | 0.168 | 0.54 | 1.33 | 0.23 | 0.078 |
| A402671 | R-2a/AU-1 | 0.072 | 0.044 | 0.20 | 1.59 | 2.34 | 0.159 | 0.49 | 1.34 | 0.20 | 0.085 |
| A402671 | R-2a/AU-1 | 0.071 | 0.043 | 0.20 | 1.67 | 2.40 | 0.167 | 0.55 | 1.33 | 0.23 | 0.077 |
| A402672 | R-2a/AU-1 | 0.072 | 0.042 | 0.21 | 1.62 | 2.39 | 0.168 | 0.55 | 1.34 | 0.21 | 0.075 |
| A402672 | R-2a/AU-1 | 0.072 | 0.042 | 0.21 | 1.63 | 2.41 | 0.174 | 0.59 | 1.38 | 0.23 | 0.076 |
| A402672 | R-2a/AU-1 | 0.072 | 0.045 | 0.20 | 1.78 | 2.42 | 0.162 | 0.58 | 1.36 | 0.22 | 0.077 |
| A402921 | R-2a/AU-1 | 0.072 | 0.044 | 0.20 | 1.75 | 2.43 | 0.156 | 0.60 | 1.31 | 0.15 | 0.081 |
| A402921 | R-2a/AU-1 | 0.071 | 0.045 | 0.20 | 1.68 | 2.30 | 0.153 | 0.54 | 1.22 | 0.18 | 0.078 |
| A402921 | R-2a/AU-1 | 0.074 | 0.044 | 0.21 | 1.78 | 2.45 | 0.162 | 0.54 | 1.35 | 0.20 | 0.086 |
| A402921 | R-2a/AU-1 | 0.072 | 0.045 | 0.20 | 1.73 | 2.42 | 0.161 | 0.55 | 1.34 | 0.18 | 0.087 |
| A402921 | R-2a/AU-1 | 0.072 | 0.046 | 0.20 | 1.70 | 2.35 | 0.170 | 0.53 | 1.30 | 0.20 | 0.079 |
| A403025 | R-2a/AU-1 | 0.072 | 0.046 | 0.20 | 1.73 | 2.39 | 0.160 | 0.57 | 1.29 | 0.23 | 0.085 |
| A403025 | R-2a/AU-1 | 0.072 | 0.045 | 0.20 | 1.77 | 2.40 | 0.161 | 0.47 | 1.36 | 0.19 | 0.081 |
| A403025 | R-2a/AU-1 | 0.072 | 0.044 | 0.20 | 1.74 | 2.38 | 0.168 | 0.53 | 1.36 | 0.19 | 0.084 |
| A403025 | R-2a/AU-1 | 0.067 | 0.043 | 0.19 | 1.52 | 2.26 | 0.162 | 0.49 | 1.27 | 0.18 | 0.077 |
| A403025 | R-2a/AU-1 | 0.068 | 0.043 | 0.20 | 1.65 | 2.26 | 0.170 | 0.54 | 1.24 | 0.20 | 0.078 |
| A402026 | R-2a/AU-1 | 0.067 | 0.043 | 0.20 | 1.57 | 2.29 | 0.164 | 0.50 | 1.27 | 0.19 | 0.075 |
| A402026 | R-2a/AU-1 | 0.069 | 0.043 | 0.20 | 1.57 | 2.33 | 0.168 | 0.53 | 1.33 | 0.19 | 0.076 |
| A402026 | R-2a/AU-1 | 0.069 | 0.043 | 0.20 | 1.57 | 2.33 | 0.169 | 0.50 | 1.31 | 0.19 | 0.079 |
| A402026 | R-2a/AU-1 | 0.067 | 0.043 | 0.20 | 1.58 | 2.28 | 0.162 | 0.51 | 1.26 | 0.19 | 0.078 |
| A402026 | R-2a/AU-1 | 0.074 | 0.047 | 0.21 | 1.63 | 2.45 | 0.171 | 0.52 | 1.39 | 0.21 | 0.082 |
| A403114 | R-2a/AU-1 | 0.073 | 0.046 | 0.21 | 1.62 | 2.34 | 0.169 | 0.51 | 1.36 | 0.20 | 0.082 |
| A403114 | R-2a/AU-1 | 0.073 | 0.045 | 0.21 | 1.71 | 2.42 | 0.168 | 0.53 | 1.43 | 0.21 | 0.080 |
| A403114 | R-2a/AU-1 | 0.067 | 0.044 | 0.20 | 1.62 | 2.32 | 0.165 | 0.51 | 1.25 | 0.19 | 0.081 |
| A403114 | R-2a/AU-1 | 0.069 | 0.045 | 0.20 | 1.61 | 2.37 | 0.159 | 0.50 | 1.34 | 0.19 | 0.078 |
| A403114 | R-2a/AU-1 | 0.068 | 0.043 | 0.20 | 1.61 | 2.33 | 0.158 | 0.50 | 1.34 | 0.19 | 0.078 |
| A403316 | R-2a/AU-1 | 0.072 | 0.044 | 0.20 | 1.67 | 2.42 | 0.168 | 0.52 | 1.40 | 0.19 | 0.079 |
| A403316 | R-2a/AU-1 | 0.069 | 0.045 | 0.21 | 1.70 | 2.44 | 0.153 | 0.51 | 1.42 | 0.19 | 0.077 |
| A403316 | R-2a/AU-1 | 0.070 | 0.044 | 0.20 | 1.64 | 2.38 | 0.155 | 0.51 | 1.35 | 0.19 | 0.077 |
| A403316 | R-2a/AU-1 | 0.070 | 0.044 | 0.20 | 1.63 | 2.36 | 0.154 | 0.50 | 1.33 | 0.18 | 0.078 |
| A403316 | R-2a/AU-1 | 0.071 | 0.045 | 0.21 | 1.67 | 2.41 | 0.161 | 0.55 | 1.34 | 0.21 | 0.078 |
| A403781 | R-2a/AU-1 | 0.072 | 0.043 | 0.21 | 1.59 | 2.34 | 0.161 | 0.51 | 1.30 | 0.16 | 0.078 |

| WO # | Sample Number | Au g/t | Cu % | Ag g/t | Fe % | Mo % | W % | Pb % | Zn % | Cd % | As % | Sb % | Hg % | Bi % | Ni % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A403781 | R-2a/AU-1 | 3.47 | 0.564 | 158 | 23.09 | 0.050 | 0.066 | 1.53 | 4.24 | 0.028 | 0.23 | 0.128 | 0.175 | 0.00 | 0.367 |
| A403781 | R-2a/AU-1 | 3.39 | 0.557 | 156 | 23.02 | 0.050 | 0.062 | 1.53 | 4.24 | 0.029 | 0.23 | 0.126 | 0.175 | 0.00 | 0.368 |
| A403781 | R-2a/AU-1 | 3.39 | 0.556 | 157 | 22.63 | 0.049 | 0.063 | 1.50 | 4.19 | 0.028 | 0.22 | 0.124 | 0.171 | 0.00 | 0.363 |
| A403781 | R-2a/AU-1 | 3.48 | 0.551 | 160 | 22.62 | 0.050 | 0.065 | 1.48 | 4.13 | 0.028 | 0.23 | 0.125 | 0.175 | 0.00 | 0.368 |
| A403878 | R-2a/AU-1 | 3.40 | 0.552 | 156 | 22.44 | 0.049 | 0.064 | 1.48 | 4.20 | 0.029 | 0.24 | 0.126 | 0.180 | 0.00 | 0.373 |
| A403878 | R-2a/AU-1 | 3.43 | 0.554 | 154 | 22.70 | 0.050 | 0.064 | 1.52 | 4.18 | 0.029 | 0.23 | 0.128 | 0.176 | 0.00 | 0.370 |
| A403878 | R-2a/AU-1 | 3.45 | 0.553 | 155 | 23.06 | 0.049 | 0.061 | 1.47 | 4.07 | 0.028 | 0.23 | 0.125 | 0.175 | 0.00 | 0.366 |
| A403878 | R-2a/AU-1 | 3.38 | 0.550 | 153 | 22.86 | 0.049 | 0.069 | 1.53 | 4.11 | 0.028 | 0.24 | 0.128 | 0.181 | 0.00 | 0.371 |
| A403878 | R-2a/AU-1 | 3.44 | 0.559 | 157 | 23.36 | 0.050 | 0.066 | 1.53 | 4.22 | 0.030 | 0.24 | 0.132 | 0.178 | 0.00 | 0.370 |
| A403969 | R-2a/AU-1 | 3.40 | 0.563 | 155 | 22.42 | 0.050 | 0.064 | 1.48 | 4.16 | 0.027 | 0.22 | 0.122 | 0.169 | 0.00 | 0.361 |
| A403969 | R-2a/AU-1 | 3.44 | 0.556 | 158 | 22.41 | 0.050 | 0.070 | 1.52 | 4.17 | 0.028 | 0.23 | 0.122 | 0.171 | 0.00 | 0.368 |
| A403969 | R-2a/AU-1 | 3.42 | 0.562 | 157 | 22.97 | 0.050 | 0.069 | 1.52 | 4.21 | 0.028 | 0.23 | 0.125 | 0.172 | 0.00 | 0.365 |
| A403969 | R-2a/AU-1 | 3.42 | 0.553 | 157 | 23.25 | 0.050 | 0.070 | 1.52 | 4.15 | 0.028 | 0.23 | 0.123 | 0.175 | 0.00 | 0.351 |
| A403969 | R-2a/AU-1 | 3.45 | 0.562 | 153 | 22.71 | 0.050 | 0.067 | 1.55 | 4.24 | 0.029 | 0.23 | 0.127 | 0.178 | 0.00 | 0.374 |
| A404131 | R-2a/AU-1 | 3.46 | 0.566 | 160 | 22.81 | 0.051 | 0.073 | 1.53 | 4.23 | 0.030 | 0.23 | 0.130 | 0.178 | 0.00 | 0.374 |
| A404131 | R-2a/AU-1 | 3.41 | 0.550 | 161 | 22.50 | 0.049 | 0.071 | 1.46 | 4.13 | 0.028 | 0.23 | 0.128 | 0.175 | 0.00 | 0.370 |
| A404131 | R-2a/AU-1 | 3.43 | 0.555 | 158 | 22.43 | 0.049 | 0.071 | 1.55 | 4.27 | 0.029 | 0.23 | 0.126 | 0.173 | 0.00 | 0.372 |
| A404131 | R-2a/AU-1 | 3.42 | 0.565 | 159 | 22.45 | 0.050 | 0.070 | 1.49 | 4.23 | 0.028 | 0.24 | 0.126 | 0.177 | 0.00 | 0.365 |
| A404131 | R-2a/AU-1 | 3.38 | 0.552 | 161 | 22.34 | 0.050 | 0.077 | 1.53 | 4.18 | 0.029 | 0.23 | 0.126 | 0.180 | 0.00 | 0.366 |

| WO # | Sample Number | Cr % | Co % | Mn % | Mg % | Ca % | Sr % | K % | Al % | Na % | P % |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A403781 | R-2a/AU-1 | 0.074 | 0.045 | 0.21 | 1.62 | 2.35 | 0.173 | 0.52 | 1.33 | 0.19 | 0.086 |
| A403781 | R-2a/AU-1 | 0.073 | 0.044 | 0.20 | 1.60 | 2.32 | 0.162 | 0.51 | 1.29 | 0.19 | 0.076 |
| A403781 | R-2a/AU-1 | 0.073 | 0.045 | 0.20 | 1.56 | 2.29 | 0.167 | 0.50 | 1.30 | 0.20 | 0.075 |
| A403781 | R-2a/AU-1 | 0.073 | 0.044 | 0.20 | 1.59 | 2.34 | 0.168 | 0.51 | 1.29 | 0.18 | 0.079 |
| A403878 | R-2a/AU-1 | 0.071 | 0.044 | 0.20 | 1.59 | 2.34 | 0.172 | 0.51 | 1.29 | 0.19 | 0.076 |
| A403878 | R-2a/AU-1 | 0.073 | 0.045 | 0.21 | 1.63 | 2.38 | 0.170 | 0.52 | 1.30 | 0.19 | 0.077 |
| A403878 | R-2a/AU-1 | 0.070 | 0.044 | 0.20 | 1.58 | 2.33 | 0.167 | 0.51 | 1.28 | 0.21 | 0.075 |
| A403878 | R-2a/AU-1 | 0.071 | 0.044 | 0.21 | 1.65 | 2.42 | 0.173 | 0.52 | 1.35 | 0.21 | 0.076 |
| A403878 | R-2a/AU-1 | 0.074 | 0.044 | 0.21 | 1.68 | 2.48 | 0.172 | 0.55 | 1.38 | 0.20 | 0.084 |
| A403969 | R-2a/AU-1 | 0.072 | 0.044 | 0.20 | 1.56 | 2.27 | 0.160 | 0.50 | 1.27 | 0.19 | 0.079 |
| A403969 | R-2a/AU-1 | 0.073 | 0.045 | 0.20 | 1.59 | 2.33 | 0.161 | 0.50 | 1.27 | 0.19 | 0.080 |
| A403969 | R-2a/AU-1 | 0.072 | 0.044 | 0.20 | 1.59 | 2.31 | 0.161 | 0.49 | 1.38 | 0.20 | 0.085 |
| A403969 | R-2a/AU-1 | 0.072 | 0.044 | 0.20 | 1.58 | 2.31 | 0.158 | 0.50 | 1.25 | 0.16 | 0.075 |
| A403969 | R-2a/AU-1 | 0.074 | 0.045 | 0.20 | 1.61 | 2.37 | 0.168 | 0.49 | 1.29 | 0.20 | 0.074 |
| A404131 | R-2a/AU-1 | 0.074 | 0.045 | 0.21 | 1.71 | 2.43 | 0.169 | 0.51 | 1.35 | 0.17 | 0.084 |
| A404131 | R-2a/AU-1 | 0.072 | 0.044 | 0.21 | 1.69 | 2.37 | 0.166 | 0.51 | 1.32 | 0.18 | 0.077 |
| A404131 | R-2a/AU-1 | 0.072 | 0.044 | 0.20 | 1.75 | 2.43 | 0.161 | 0.52 | 1.32 | 0.20 | 0.077 |
| A404131 | R-2a/AU-1 | 0.073 | 0.045 | 0.21 | 1.69 | 2.37 | 0.164 | 0.50 | 1.31 | 0.19 | 0.087 |
| A404131 | R-2a/AU-1 | 0.073 | 0.045 | 0.21 | 1.71 | 2.42 | 0.162 | 0.50 | 1.29 | 0.18 | 0.084 |

# APPENDIX G

## Laboratory Standards – Figures

## Drill Holes 04-542 to 04-580

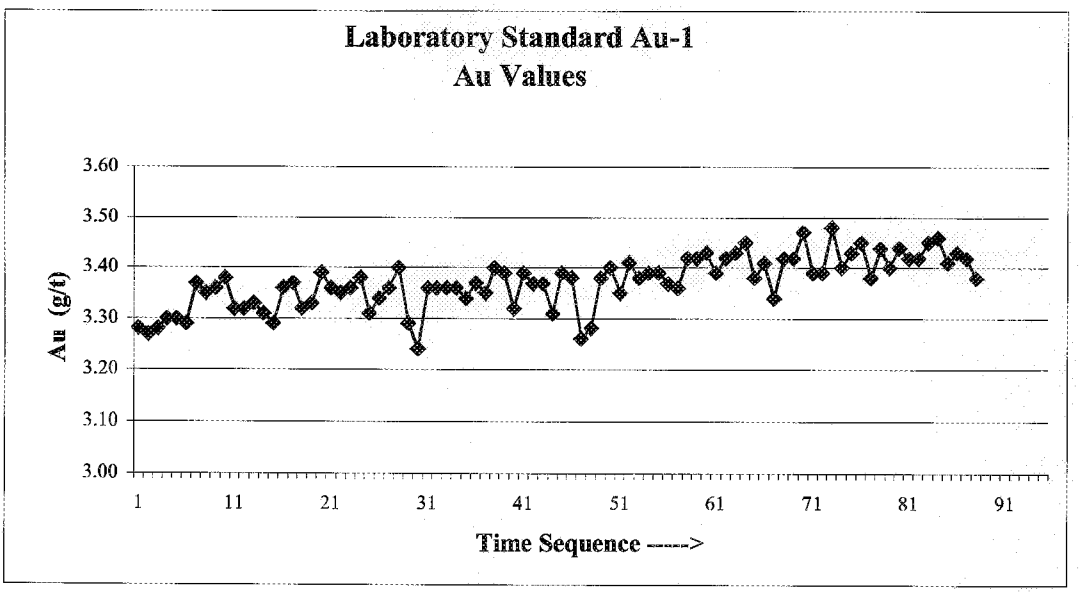


Figure 39

Figure 40